

With the Medical Officer of Health's Compliments.



ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

CARDIFF PORT SANITARY AUTHORITY,

FOR THE YEAR 1911.

Printed by Order of the Sanitary Authority.

CARDIFF:
S. GLOSOP & SONS, NEW STREET
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Health and Port Sanitary Committee.

Lord Mayor :

ALDERMAN JOHN WESLEY COURTIS, J.P.

Chairman :

COUNCILLOR JAMES ROBINSON, L.R.C.S., L.R.C.P., I., J.P.

Deputy Chairman :

COUNCILLOR FREDERICK GUSTAVUS LYONS DAVIS.

ALDERMAN EDWARD THOMAS, J.P.	COUNCILLOR J. J. E. BIGGS, M.R.C.S.,
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„ A. J. STONE.	„ G. F. WILLETT.
„ C. WALL.	„ A. STEWART, M.R.C.V.S.

Medical Officer of Health's Department.

Medical Officer of Health :

EDWARD WALFORD, M.D., D.P.H.

Assistant Medical Officer of Health :

E. FAIRFIELD THOMAS, M.D., D.P.H.

Chief Inspector of Nuisances, Inspector under D. of A. Acts, Canal Boats Acts, and Unsound Food Regulations :

DAVID JENKINS, CERTIFICATE AND ASSOCIATE ROYAL SANITARY INSTITUTE.

Senior Assistant Inspector :

S. J. HOLBOURN, CERTIFICATE ROYAL SANITARY INSTITUTE.

Inspector of Meat and Other Foods :

A. J. E. SCOTT, CERTIFICATES ROYAL SANITARY INSTITUTE.

D. A. JENKINS, ASSISTANT INSPECTOR OF NUISANCES.

J. DAVIES,	„	„
F. WOOD,	„	„ CERTIFICATE ROYAL SANITARY INSTITUTE.
F. HOWELL,	„	„
T. D. HILL,	„	„
J. J. MORGAN,	„	„ CERTIFICATE ROYAL SANITARY INSTITUTE.

Clerk :

W. J. DAVIES.

Caretaker—Flat-Holm, Hospitals :

F. HARRIS.

Cardiff Port Sanitary Authority.

95, BUTE STREET,
CARDIFF,
March, 1912.

To the Chairman and Members of the Cardiff Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1911.

The Port Sanitary District of Cardiff was constituted in the year 1882, by a Provisional Order of the Local Government Board, which was subsequently confirmed by Parliament.

In this Order the boundaries of the District are defined as follows :—

“ So much of the Port of Cardiff as lies between the River Rumney and Lavernock Point ; together with the waters of the said Port within such limits, and the place for the time being appointed as the Customs Boarding Station for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port, under any regulations for the prevention of the spread of disease issued under the authority of the Statutes in that behalf ; and the watersides, docks, basins, and creeks of and belonging to such part of the said Port.”

By a Provisional Order, dated 27th July, 1893, the limits of Jurisdiction of the Cardiff Port Sanitary Authority were extended, and on the 15th September, 1894, an order of the Board was issued permanently constituting the Authority. This Order came into operation on the 9th November, 1894, and contains the following provisions :—

SECTION I.— CONSTITUTION OF THE PORT SANITARY AUTHORITY.

ARTICLE 1.—This Order shall come into operation on the Ninth day of November, One Thousand Eight Hundred and Ninety-four, unless it shall become Provisional, and until this Order comes into operation the said Order dated the Twenty-seventh day of July, One Thousand Eight Hundred and Ninety-three shall continue in force.

ARTICLE 2.—The Mayor, Aldermen, and Burgesses of the said Borough of Cardiff, acting by the Council, as the said Urban Sanitary Authority, shall be permanently constituted the Port Sanitary Authority for the part of the said Port of Cardiff, hereinafter described.

ARTICLE 3.—The Port Sanitary Authority may from time to time appoint Committees consisting of Members of such Authority for the exercise of any powers, which, in the opinion of such Authority, can be properly exercised by Committees, but the acts of every such Committee shall, unless otherwise directed by the Port Sanitary Authority, be submitted to such Authority for approval.

Provided that a Committee so appointed shall in no case be authorised to borrow money or to issue any precept for contributions, or to enter into any contract, and it shall be subject to the provisions of Part IV, of the First Schedule of the Local Government Act, 1894, so far as they are applicable.

SECTION II.—LIMITS OF JURISDICTION.

ARTICLE 4.—The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Cardiff as is comprised within the following lines, that is to say :—

A straight line drawn south from the seaward extremity of the common boundary of the Parishes of Sully and Lavernock to the boundary of the said Port and a line following and coincident with the boundary of the said Port from its commencement at the River Rumney to the point at which the straight line firstly hereinbefore mentioned meets such boundary,

together with the water of the said Port of Cardiff within such limits, and the place or places for the time being appointed as the Customs Boarding Station or Stations for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port under any regulations for the prevention of the spread of diseases issued under the authority of the Statutes in that behalf, and the docks, basins, harbours, creeks, rivers, channels, roads, bays, and streams belonging to such part of the said Port.

SECTION III.—ASSIGNMENT OF POWERS, &c.

ARTICLE 5.—For the purpose of this Order the following Sections of The Public Health Act, 1875, the Public Health (Officers) Act, 1884, the Public Health (Ships, &c.) Act, 1885, the Public Health (Members and Officers) Act, 1885, and the Public Health Acts Amendment Act, 1890, shall apply ; and the Port Sanitary Authority shall have, exercise, perform, and be subject to, all the powers, rights, duties, capacities, liabilities, and obligations of an Urban Sanitary Authority under the same Sections, so far as those Sections are applicable to waters within the jurisdiction of such Port Sanitary Authority, or to ships coming or being within the said jurisdiction, or to persons upon any such ship, or brought by any such ship within the said jurisdiction, or to goods or things upon any such ship, or to goods or things landed from any such ship, and being within the said jurisdiction, and which in the opinion of the said Authority, or their Medical Officer of Health requires to be disinfected or destroyed, namely :

Of the Public Health Act, 1875 :—

Section 70, relating to Polluted Water.

Sections 91 to 111, both inclusive, relating to Nuisances.

Sections 120 to 123, both inclusive, relating to Infectious diseases and Hospitals.

Sections 134 to 140, both inclusive, as to the prevention of Epidemic Diseases.

Sections 141 and 142, relating to Mortuaries.

Sections 173 and 174, relating to Contracts.

Sections 175, 176, and 177, relating to Purchase of Lands.

Sections 179, 180, and 181, relating to Arbitration.

Sections 182 to 186, both inclusive, and Section 188, relating to Bye-laws.

Section 189 (except as regards the Offices of Surveyor and Collector), Sections 191 to 196, both inclusive, and Sections 197, 198, 205, and 206, relating to Officers and Conduct of Business of Local Authorities.

Sections 236 to 239, both inclusive, relating to Mortgages.

Sections 245, 247 (as amended by the District Auditors' Act, 1879), 249 and 250, relating to Audit.

Sections 241, and 253 to 258, inclusive, and Section 269 (as amended by the Summary Jurisdiction Act, 1884), relating to Legal Proceedings.

Section 278, relating to Settlement of Disputes as to Boundaries.

Sections 299 to 302, both inclusive, relating to Defaulting Local Authorities.

Sections 305 to 310, both inclusive, relating to miscellaneous Provisions.

Sections 327, 328, and 329, being Saving Clauses.

Of the Public Health (Officers) Act, 1884 :—

Section 2.

Of the Public Health (Ships, etc.) Act, 1885 :—

Section 2.

Of the Public Health (Members and Officers) Act, 1885 :—

Section 2.

Of the Public Health Acts Amendment Act, 1890 :—

Section 3, so far as it enables an Urban Sanitary Authority to adopt Section 48.

Provided as follows :—

- (1). Nothing herein contained shall affect the powers of any Riparian Authority, except as to such waters, ships, persons and things as above mentioned.
- (2). In this Article the term “ ship ” includes vessel or boat.

The Regulations of the Local Government Board prescribe, with regard to the Medical Officer of Health :—

“ That he shall prepare an annual report, to be made to the end of December, in each year, comprising tabular statements so far as he shall have been able to obtain the necessary information, of the sickness and mortality of persons on ship-board within the District, classified according to diseases, ages, and vessels, and a summary of the action taken during the year for preventing the spread of disease. The report shall also contain an account of the proceedings in which he has taken part or advised under the Public Health Act, 1875, so far as such proceedings relate to conditions dangerous or injurious to health, and also an account of the supervision exercised by him, or on his advice, for Sanitary purposes over places and vessels that the Port Sanitary Authority has power to regulate, with the nature and results of any proceedings which may have been so required and taken in respect of the same during the year.”

This report is therefore made in accordance with the above quoted regulations.

According to the Census enumeration made in April, 1911, the number of persons found on board foreign and coasting vessels, barges and boats in the docks, under the supervision of the Cardiff Port Sanitary Authority, was 1,945, and the number of vessels 174, giving an average of 8·9 persons per vessel. In most cases large numbers of sailors are paid off shortly after the vessel enters the dock, so that at the time of the census few complete crews would be on board.

The number of persons given in the returns does not, therefore, in any way represent the number actually belonging to the vessels.

The following table gives the area of the Docks within the District of the Cardiff Port Sanitary Authority :—

TABLE I.

	West Bute Dock	East Bute Dock.	Roath Dock.	Queen Alexandra Dock.	Penarth Dock.	Penarth Tidal Harbour.	
Width of sea gate	45ft.	57ft.	80ft.	90ft.	60½ft.		Width of sea gate
Basin ...	300ft by 200ft.	380ft by 250ft.	1,000 ft. by 500ft.		400ft. by 330ft.		Basin
Lock ...	152 ft. by 36ft.	220 ft. by 57ft. Sea Lock 200ft. by 50ft. Inner Lock	350 ft. by 80ft. Sea Lock 600ft. by 80ft Inner Lock	850ft. by 90ft.	270ft. by 60½ft.		Lock
Dock ...	4,000ft. by 2,000ft.	3,350ft. by 500ft 1,000ft. by 300ft. Total length 4,350ft.	2,400ft. by 600ft.	2,550ft. long 800 & 1,000 ft. wide	2,100ft. by 370ft.	First reach 4,600ft. by 600ft. Total length 13,000ft.	Dock
Depth of Water in Dock	19ft. and 13ft. 6in.	25ft.	30ft. and 36ft.	33ft. and 39ft. 6in.	25ft. and 35ft.	First reach 30ft.	Depth of Water in Dock
Depth of Water on Sill (Spring tide)	28ft. 6in.	31ft. 6in.	36ft.	42ft.	35ft.		Depth of Water on Sill (Spring tide)
Do. do. (Neap tide)	18ft. 6in.	21ft. 6in.	26ft.	32ft.	25ft.		Do. do. (Neap tide)
No. of coal staiths for shipment of coal	12	19	12 fitted and movable tips, and 11 movable coaling cranes	6 movable tips, and 4 movable coaling cranes	21	5	No. of coal staiths for shipment of coal.
Water area.	19½ acres of Dock.	Basin, 2¼ acres, Dock, 44 acres.	Basin, 12 acres. Dock, 33 acres.	52 acres.	Basin, 3 acres. Dock, 25 acres.		Water area.

The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by W. Durie, Esq., H.M. Collector of Customs.

TABLE II.

YEARS.	NUMBER OF VESSELS.		Total No. of Vessels Foreign and Coastwise.	TONNAGE.		Total Tonnage Foreign and Coastwise inwards.
	Foreign.	Coastwise.		Foreign.	Coastwise.	
1882	6,032	7,026	13,058	2,151,761	940,836	4,435,293
1883	6,195	7,260	13,445	4,322,849	797,722	5,116,571
1884	6,184	6,823	13,007	4,513,117	785,462	5,298,597
1885	5,990	6,719	12,709	4,563,662	849,512	5,413,174
1886	5,390	6,742	12,132	4,174,950	931,503	5,106,453
1887	5,925	6,531	12,456	4,714,247	918,898	5,634,145
1888	6,179	7,095	13,274	5,148,068	935,694	6,083,762
1889	6,339	7,411	13,750	5,476,773	918,666	6,458,439
1890	4,099	9,672	13,771	3,196,973	3,952,759	7,149,632
1891	4,308	10,415	14,723	3,445,139	4,116,831	7,561,970
1892	3,447	8,770	12,217	2,548,522	2,532,527	5,081,149
1893	3,140	8,861	12,001	2,470,396	2,608,690	5,779,086
1894	3,224	10,543	13,767	2,668,418	3,122,661	5,791,079
1895	3,166	10,150	13,316	2,686,874	2,944,071	5,630,945
1896	3,104	9,652	12,755	3,019,591	3,034,855	6,054,445
1897	3,174	9,933	13,107	3,044,002	2,878,726	5,022,728
1898	2,415	7,771	10,186	1,979,709	2,343,806	4,923,515
1899	3,191	9,373	12,564	3,255,870	3,071,232	6,327,102
1900	3,212	8,858	12,070	3,127,985	2,850,479	5,978,464
1901	2,829	8,755	11,584	2,917,948	2,750,335	5,668,283
1902	2,763	9,337	12,100	2,729,563	2,953,915	5,683,478
1903	2,544	9,130	11,674	2,821,927	2,976,901	5,798,828
1904	2,370	8,635	11,005	2,563,188	3,178,989	5,742,177
1905	2,437	9,959	12,396	2,662,128	3,252,663	5,914,791
1906	2,790	9,306	12,096	3,386,347	3,236,673	6,623,020
1907	3,018	8,798	11,816	3,799,249	3,163,622	6,962,871
1908	2,890	8,163	11,053	3,675,274	2,821,260	6,496,434
1909	2,846	8,400	11,246	3,788,643	3,017,152	6,805,795
1910	2,925	9,340	12,265	3,719,987	3,371,362	7,091,349
1911	2,864	8,991	11,855	3,840,594	3,088,173	6,928,767

INFECTIOUS DISEASES:—The powers which the Port Sanitary Authority possesses for dealing with the ordinary Infectious Diseases, which are always more or less present in this country, are derived from the Public Health Acts and the Regulations made by the Authority under the provisions of these Acts. The Regulations made by the Cardiff Port Sanitary Authority under Section 125 of the Public Health Act, 1875, are as follows:—

1.—In these Regulations, the expression “The Port Sanitary Authority” means the Mayor, Aldermen and Burgesses of the Borough of Cardiff, acting by the Council, as the Port Sanitary Authority; the expression “The District” means so much of the Customs’ Port of Cardiff as, under an Order of the Local Government Board, dated the 15th day of September, 1894, is comprised within the jurisdiction of the Port Sanitary Authority; the expression “Ship” includes a Boat; the expression “Medical Officer of Health” includes any legally qualified Medical Practitioner lawfully authorised to act on behalf of such Officer; the expression “Dangerous Infectious Disorder” means any one of the following diseases:—

SMALL-POX	RELAPSING FEVER	TYPHOID FEVER
MEMBRANOUS CROUP	DIPHTHERIA	CONTINUED FEVER
TYPHUS FEVER	SCARLATINA OR SCARLET FEVER	

2.—These Regulations shall remain in force until they are revoked by the Port Sanitary Authority, or until fresh Regulations under Section 125 of the Public Health Act, 1875, are made by the Port Sanitary Authority and approved of by the Local Government Board.

3.—Every Master or other person having charge of a ship arriving in the District with any person on Board, whether a passenger or belonging to the ship's crew, suffering from a dangerous infectious disorder, shall stop on arrival in any dock-basin, river, harbour, or canal within the District, and forthwith send notice to the Medical Officer of Health of the Port Sanitary Authority, stationed at his office at Cardiff, that there is a person on board suffering from such a disorder.

4.—The Master or other person in charge of the ship shall cause her to remain in any dock-basin, river, harbour, or canal within the District in which she shall have stopped on arrival, until the Medical Officer of Health has boarded her.

5.—The Medical Officer of Health, to whom notice is given either by the Master or person in charge of the ship, or by an Officer of the Port Sanitary Authority boarding the ship on its arrival, that there is a person on board suffering from a dangerous infectious disorder, shall, as soon as practicable, visit the ship, and ascertain whether the person referred to in the notice is suffering from such a disorder, and if in the opinion of the Medical Officer of Health he is, and can properly be removed, and proper accommodation can be provided for him in the Hospital of the Port Sanitary Authority of Cardiff, or in some other Hospital to which the Port Sanitary Authority are entitled to remove patients, the Master or other person having charge of the ship shall forthwith cause such person to be removed to such Hospital, according to the directions of the Medical Officer of Health.

6.—If any dangerous infectious disorder shall break out on board any ship, arriving in the District, and after she has passed into any dock-basin, river, harbour, or canal, the Master or other person having charge of such ship shall give notice to the Medical Officer of Health of the Port Sanitary Authority at his Office at Cardiff, that there is on board a person suffering from such disorder, and if, upon examination, the Medical Officer of Health shall find that he is so suffering, the Master or other person in charge of such ship shall forthwith cause such person to be removed to a Hospital to which the Port Sanitary Authority are entitled to remove patients, as directed by the Medical Officer of Health.

7.—Every person who shall offend against any of the foregoing Regulations shall be liable for every such offence to a penalty of Forty Shillings.

In addition to the above, the Port Sanitary Authority has adopted the Infectious Disease Notification Act, 1889, which requires the notification to the Medical Officer of Health by Medical Practitioners of all cases of the ordinary Infectious Diseases coming under their care. In September, 1900, the Local Government Board, by order, extended the provisions of this Act to the notification of every case of Plague occurring in the district. Circular letters were sent by me to Medical Practitioners informing them of their duties in this respect. A system of voluntary notification of cases of phthisis is in force in this District, for which fees are paid similar to those paid under the Notification Act.

The hospital referred to in the above Regulations is that belonging to the Cardiff Urban Sanitary Authority, in which accommodation is provided for persons suffering from diseases specified, on board ships within the District of the Port Sanitary Authority of Cardiff.

The enclosed form, used by the Officers of the Sanitary Authority, who board every vessel, foreign or coastwise, immediately they enter the outer basin of the dock, is filled up in writing by the Master or person in charge of the ship, and is found to be a much more satisfactory way of obtaining information of sickness on board than the mere verbal statement which was previously required.

MEDICAL CERTIFICATE TO CARDIFF PORT SANITARY AUTHORITY.

To the Master of S.S.
 From what Port have you come?
 Number of Crew?
 Total Number of Passengers?

Has there been any Sickness of an Infectious nature during the Voyage, or at the time of arrival, among either Crew or Passengers?

If there has been Sickness of any sort, kindly state nature and result.

Signed..... Surgeon
 Master

Time of arrival..... Time of Visit.....
 Date.....191

From the above it will be seen that information of the existence of Infectious Diseases reaches the Medical Officer of Health from (1) the Master of the ship ; (2) the Customs Officer on the arrival of the vessel at the Customs Boarding Station ; (3) Medical Practitioners when called in to attend such cases ; (4) Officer of Sanitary Authority during ordinary inspection of shipping in docks, and during tidal inspection at entrance to dock basins.

The following is a copy of notice given to the Masters and Pilots of all vessels arriving in the Port of Cardiff :—

CARDIFF PORT SANITARY AUTHORITY.

NOTICE TO MASTERS AND PILOTS.

Owing to occasional misunderstandings on the part of Masters and persons in charge of vessels, the Medical Officer of Health desires to call the attention of Pilots in charge of vessels entering the Cardiff or Penarth Docks to the following provisions of the Regulations of the Cardiff Port Sanitary Authority relating to vessels having on board any person suffering from any of the following diseases :—

Small-Pox.
Typhus Fever.
Typhoid Fever.
Scarlet Fever.
Diphtheria.

All such vessels (whether Foreign or Coastwise) are required to enter the Dock Basin without delay, and the Master or person in charge of the vessel must at once give notice of any such case of illness on board to the Inspector of the Port Sanitary Authority at the Customs Boarding Station, who will communicate with the Medical Officer of Health.

The Master or person in charge of the vessel must cause her to remain off the Customs Boarding Station, and apart from any communication with the shore until she has been dealt with by the Medical Officer of Health.

Only vessels infected with Cholera, Yellow Fever, and Plague are dealt with at the Mooring Station in the Penarth Roads.

EDWARD WALFORD,
*Medical Officer of Health, Cardiff Port Sanitary
Authority.*

During the year the following cases were notified and dealt with by the Officers of the Port Sanitary Authority :—

TABLE III.

1911 Date		Disease.	Name of Ship.	Nationality	Remarks.
Jan.	4	Phthisis	... s.s. " Rapid " ...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital 31st December, 1910, from Newport, Mon.
"	4	"	... s.s. " Phœbe " ...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 20th December, 1910, from Barry Dock.
"	17	"	... s.s. " Imani " ...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, January 4th, from Roath Dock
"	21	"	... s.s. " Cuba " ...	... Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, January 20th, from Port Talbot.
"	28	"	... s.s. " Poldhu " ...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, January 21st, from Newport Mon.
"	30	Typhoid Fever	s.s. " Natalia " ...	... Spanish ...	Removed to City Sanatorium, January 30th, from East Bute Dock.
Feb.	2	Phthisis	... s.s. " Randulf Hansen " ...	Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, January 28th, from Queen Alexandra Dock.
"	6	Phthisis	... " Antares " ...	... Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, February 6th. Patient was discharged from hospital at Hamburg, February 2nd.
"	14	"	... s.s. " Fernhill " ...	... British ...	Outpatient at Royal Hamadryad Seamen's Hospital.
"	21	"	... s.s. " Victorious " ...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, February 20th, from Penarth Dock.

TABLE III.—continued.

1911 Date	Disease	Name of Ship.	Nationality	Remarks.
Mar. 10	Small-Pox ...	s.s. "Paulina" ...	Spanish ...	Removed to the City Small-Pox Hospital, March 10th, from Roath Basin.
" 18	Phthisis ...	s.s. "Gran" ...	Norwegian ...	Admitted into Royal Hamadryad Seamen's Hospital, March 4th, from East Bute Dock.
" 27	" ...	s.s. "Kilmaho" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, March 25th, from Workmen's Home, Bute Street.
" 28	" ...	s.s. "Appledore" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, March 24th, from 24, South Church Street.
" "	" ...	" ...	" ...	Out patient at Royal Hamadryad Seamen's Hospital, from a Boarding House in Bute Street, was afterwards admitted into the Workhouse Hospital.
April 3	Phthisis ...	s.s. "Llanberis" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, March 29th, from Roath Dock.
" 17	" ...	s.s. "Wilhelmina" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, April 13th, from Penarth Dock.
" "	" ...	s.s. "Pedro Luis Lacave" ...	Spanish ...	Admitted into Royal Hamadryad Seamen's Hospital, April 16th from Roath Dock.
" 22	" ...	s.s. "Torbay" ...	Norwegian ...	Out-patient at Royal Hamadryad Seamen's Hospital, Patient was discharged from s.s. "Torbay" at Ardrossan, 31st March.
" 27	" ...	s.s. "Woodleigh" ...	British ...	Out patient at Royal Hamadryad Seamen's Hospital, April 27th. Patient was in Hospital at Rosario, and came home in the s.s. "Darleydale" to Bristol.

TABLE III.—continued.

1911 Date	Disease.	Name of Ship.	Nationality	Remarks
May 2	Searlet Fever...	"Glenalvon" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, April 29th, from East Bute Dock. Patient was removed to the City Sanatorium on May 2nd.
" 10	Phthisis ...	s.s. "Fjord" ...	Norwegian ...	Admitted into Royal Hamadryad Seamen's Hospital, April 9th, from Roath Dock.
" 10	" ...	s.s. "Trevean" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, May 9th. Patient left the s.s. "Trevean" in Penarth Dock, May 2nd, and went to reside at 49, Loudoun Square.
" 23	" ...	s.s. "Competitor" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, May 21st from Barry Dock.
" 25	Typhoid Fever	s.s. "Longwy" ...	French ...	Admitted into Royal Hamadryad Seamen's Hospital, May 18th, from Windsor Slipways.
" 27	Phthisis ...	... ..	...	Out patient at Royal Hamadryad Seamen's Hospital. Patient residing at 1, South Church Street, a Seamen's Boarding House.
June 2	Searlet Fever...	s.s. "Matador" ...	British ...	Patient was removed to the City Sanatorium. (See Table IV.)
" "	Measles ...	s.s. "Zuleika" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, June 1st, from Barry Dock, was removed to City Sanatorium, June 2nd.
" 13	Phthisis ...	s.s. "Nereus" ...	Italian ...	Admitted into Royal Hamadryad Seamen's Hospital, June 12th from the Roath Dock.
" 29	" ...	s.s. "Vennaehar" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, June 26th, from 49, Loudoun Square, having left the s.s. "Vennaehar" at Glasgow, May 11th.

TABLE III.—continued.

1911 Date		Disease.	Name of Ship.			Nationality	Remarks
July	18	Phthisis ...	...	...	...	...	Admitted into Royal Hamadryad Seamen's Hospital, July 17th, from 190, Bute Road, having left his ship abroad.
"	20	Typhoid Fever (2 cases)	"Meteor"	...	...	Swedish ...	Two men were admitted into the Royal Hamadryad Seamen's Hospital, on the 14th and 20th July respectively, from the East Bute Dock.
"	25	Phthisis ...	s.s. "Maimaxa"	...	...	Russian ...	Admitted into Royal Hamadryad Seamen's Hospital, July 21st, from the East Bute Dock.
Aug.	24	" ...	...	...	...	...	Admitted into Royal Hamadryad Seamen's Hospital, August 24th, from 276, Bute Road, having left his ship abroad.
"	"	" ...	s.s. "Ryall"	...	...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, Aug 22nd. from 13, Peel Street, having left his ship at Hamburg.
"	28	Typhoid Fever	s.s. "Lisa"	...	...	Swedish ...	Admitted into Royal Hamadryad Seamen's Hospital, August 24th, from the East Bute Dock.
Sept.	9	Typhoid Fever	s.s. "Roslagen"	...	...	Swedish ...	Removed to the City Sanatorium, September 9th, from the East Bute Dock.
"	26	Phthisis ...	s.s. "Pinin"	...	...	Italian ...	Admitted into Royal Hamadryad Seamen's Hospital, September 26th, from Port Talbot.
Oct.	2	Typhoid Fever	s.s. "Essonite"	...	...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, September 30th, from Roath Dock.
Dec.	12	" ...	s.s. "Burrsfield"	...	...	British ..	Admitted into Royal Hamadryad Seamen's Hospital, December 5th, from the German Seamen's Home, Bute Road, having left his ship at Barry.

TABLE III.—continued.

1911 Date	Disease.	Name of Ship.	Nationality	Remarks.
Dec. 30	Phthisis	... s.s. "Obi" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, December 5th, having left his ship at Burntisland.
" "	"	... s.s. "Joseph Davis" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, December 16th, from the East Bute Dock.
" "	"	... s.s. "Cundall" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, December 23rd, from 20, Patrick Street, having left his ship in the East Bute Dock.

PHTHISIS.—During the year ended 31st December, 1911, thirty-two cases of Phthisis were notified by the Medical Superintendent of the Royal Hamadryad Seamen's Hospital. These cases were admitted from ships in Cardiff, Penarth, Barry and other ports in the Bristol Channel.

TYPHOID FEVER.—On the 27th January, the Spanish s.s. "Natalia," arrived in the East Bute Dock from Valencia *via* Liverpool, the Master reported that L.V., age 37 years, a seaman was ill on board. Medical treatment recommended, and on the 30th January, he was notified to be suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. The crew spaces were disinfected, and a quantity of clothing removed for disinfection. The water tanks were emptied and cleansed at Liverpool, and a fresh supply of water was taken at that port.

On the 25th May, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever, R.L.H., age 23 years, a seaman on board the French s.s. "Longwy," which arrived on the Windsor Slipway, May 18th, from Nantes. Patient was admitted into the hospital on May 18th, and on the 25th he was removed to the City Sanatorium. His effects, and a quantity of bedding, etc., from the hospital, were removed for disinfection. The Ward at the hospital was also disinfected. The vessel had sailed previous to receiving notification.

On the 20th July, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified two cases of Typhoid Fever, W.O., and A.P., age 24 and 18 years respectively, seamen on board the Swedish schooner "Meteor," which arrived in the East Bute Dock on the 11th July from Laguna *via* Queenstown and Havre, the former was admitted into the hospital on the 14th July, and the latter on the 20th. Patients were not removed to the City Sanatorium, their effects were removed for disinfection, and the crew spaces on board the ship were disinfected. The water tanks were emptied and cleansed, and a fresh supply of water taken at this port. Subsequently the Ward at the hospital was disinfected, and a quantity of clothing removed for disinfection. Several cases of Malarial Fever were reported to have occurred on board this vessel on the passage from Laguna to Havre.

On the 28th August, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever, P.O.N., age 23 years, a seaman on board the Swedish s.s. "Lisa," was admitted into the hospital on the 24th August, just as the ship was proceeding to sea from the Queen Alexandra Dock. Patient was not removed to the City Sanatorium. Subsequently the Ward at the hospital was disinfected, and a quantity of clothing was removed for disinfection.

On the 5th September, the Swedish s.s. "Roslagen," arrived in the East Bute Doek from St. Petersburg. The Master, C.J.F., age 51 years, was reported ill on board. Medical treatment was obtained, and on the 9th September, he was notified to be suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium, his berth was disinfected, and a quantity of clothing was removed for disinfection. The water tanks were emptied and cleansed, and a fresh supply of water was taken at this port.

On the 29th September, the British s.s. "Essonite" arrived in the Roath Doek from Jersey, J.MeC., age 34 years, a seaman, was reported ill on board. He was removed to the Royal Hamadryad Seamen's Hospital, and on the 2nd October was notified to be suffering from Typhoid Fever. Patient was not removed to the City Sanatorium. Vessel sailed previous to receiving notification. Subsequently the Ward at the hospital was disinfected, and a quantity of clothing removed for disinfection.

On the 12th December, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever, J.A., age 28 years, a fireman on board the British s.s. "Burrsfield," lying at Barry Doek, was admitted on the 5th December, from the German Seamen's Home in Cardiff, where he had been staying for some days since leaving his ship. Patient was not removed to the City Sanatorium. His effects were removed for disinfection. The Ward at the hospital will be disinfected on the patient's discharge.

SMALL POX.—On the 6th March, the Spanish s.s. "Paulina," arrived in the Roath Doek, from Santander *via* Troon, V.M., age 29 years, a fireman, was taken ill on the 9th March. Upon examination by the Medical Officer of Health, it was found that he was suffering from Small Pox. Patient was forthwith removed to the Small Pox Hospital. The whole of the crew of 25 were vaccinated, the crew spaces were disinfected, and a quantity of clothing was removed for disinfection, and some articles which had been in contact with the patient were destroyed. This vessel was at Santander on the 23rd February, and in all probability, the disease was contracted at that port. No other case of sickness occurred on board, and on the vessel's return to Barry some time after, the Master reported that there had been no sickness since leaving Cardiff.

SCARLET FEVER.—On the 2nd May, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Scarlet Fever, R.B., age 17 years, apprentice on board the British ship "Glenalvon," lying in the East Bute Doek, was admitted into the hospital on the 29th April. Patient had been to his home in Leith, and returned to Cardiff on the 22nd April. He was forthwith removed to the City Sanatorium. His effects, and a quantity of bedding were removed for disinfection, and the Ward at the hospital was also disinfected. The disease in this case was probably contracted at Leith. The vessel sailed previous to receiving notification.

On the 29th May, the British s.s. "Matador," arrived in the Roath Doek from Liverpool, and on the 1st June, E.M., age 18 years, assistant steward, was taken ill, whilst visiting some friends in Cardiff. He was medically attended, and on the 2nd June, he was notified to be suffering from Scarlet Fever. Patient was forthwith removed to the City Sanatorium. The house at which he had been staying was disinfected. The ship had sailed previous to receiving the notification. The disease in this case was probably contracted at Liverpool.

MEASLES.—On the 2nd June, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, reported a case of Measles, O.N., age 33 years, a seaman, on board the British s.s. "Zuleika," lying at Barry Doek, was admitted into the hospital on the 1st June. Patient was forthwith removed to the isolation ward at the City Sanatorium. The Ward at the hospital was disinfected, and a quantity of clothing removed for disinfection. The Medical Officer of Health at Barry was communicated with.

The following Table gives the number of vessels boarded during the year ending December 31st, 1911, by the Medical Officer of Health and his assistants on account of disease on board during the voyage, on arrival, or during the vessel's stay in the district of the Cardiff Port Sanitary Authority.

TABLE IV.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 2	2 p.m.	s.s. "Stephanotis"	British	Hull	Ulcerrated Tongue	H. A., age 35 years, a Lascar fireman, was removed to the Royal Hamadryad Seamen's Hospital, suffering from an ulcerated tongue and other complications. Patient was detained.
" 4	"	s.s. "Rapid"	British	Ayr	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. G.N., age 52 years, a fireman, was admitted on December 31st, 1910, from the s.s. "Rapid" lying at Newport, Mon.
" 4	"	s.s. "Phœbe"	British	Rotterdam	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. A.M., age 30 years, a fireman, was admitted on December 20th, 1910, from the s.s. "Phœbe" lying at Barry Dock.
" 5	1 p.m.	s.s. "Urd"	Norwegian	Benisaf via Barrow	Typhoid Fever	The Master reported on arrival that J.A., age 18 years, was removed to Hospital at Barrow, on arrival from Benisaf, suffering from Typhoid Fever. The crew spaces were disinfected and a fresh supply of drinking water was taken in at the latter port. All well on arrival here.
" 5	9 p.m.	s.s. "Edoardo Musil"	Austrian	Nieolaief via Brake	Influenza	The Master reported on arrival that J.B., aged 16 years, O.S., was ill on board. Upon examination, it was found that he was suffering from Influenza.
" 9	9 a.m.	s.s. "Haileybury"	British	Marinopol via Rotterdam	Rheumatism	The Chief Mate reported that G.C., age 23 years, was ill on board. Upon examination, it was found that he was suffering from Rheumatism.
" 10	10 a.m.	s.s. "Gyda"	Norwegian	Boulogne	Influenza	The Master was reported ill on board. Upon examination it was found that he was suffering from a cold and other complications. Medical treatment recommended.
" 10	2 p.m.	"Confiance"	French	Granville	Influenza	The Master reported that A.H., age 28 years, a seaman, was ill on board. Medical treatment recommended.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 16	8.10 a.m. ...	s.s. "Goca"	Norwegian	Bayonne	Influenza ...	The Master was reported ill on arrival. Medical treatment recommended.
" 17	...	s.s. "Imani"	British	Hamburg	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. A.M.J., age 38 years, a Lasear on board the s.s. "Imani" was admitted on the 4th January.
" 19	8 a.m. ...	s.s. "Ella"	Norwegian	Vianna	Apoplexy	The Chief Officer reported that the Master, O.G., age 50 years, was ill on board. Patient was medically examined on arrival in the Roath Lock, and was forthwith removed to a private hospital. He died shortly after admission into that institution from heart failure.
" 20	8 a.m. ...	s.s. "Edilio"	Italian	Genoa	Influenza ...	The Chief Officer reported on arrival that the Master, G.C., and S.G., a fireman, aged 45 and 20 years respectively, were ill on board. Upon examination it was found that they were suffering from Colds and Influenza.
" 21	9.30 a.m. ...	s.s. "Charles T. Jones"	British	Kherson <i>via</i> Antwerp	Cold	The Master reported on arrival that H.E.E., age 30 years, a Seaman, was ill on board, suffering from a Cold. Medical treatment recommended.
" 21	...	s.s. "Cuba"	Norwegian	Port Talbot	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis, E.J., age 46 years, a Seaman on board the s.s. "Cuba" lying at Port Talbot, was admitted into the hospital on the 19th January.
" 23	11 p.m. ...	s.s. "Dalemoor"	British	Bombay <i>via</i> Antwerp	Inflammation of Bowels	The Master reported on arrival that M.W., age 30 years, Carpenter, was removed to hospital on arrival at Antwerp, suffering from Inflammation of the Bowels.
" 28	7 a.m. ...	s.s. "Gileston"	British	Kustendje <i>via</i> Plymouth	Influenza ...	The Master's wife and child were reported to be suffering from Influenza. Medical treatment recommended.
" 28	...	s.s. "Poldhu"	British	Rotterdam	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. A.M., age 27 years, a fireman, was admitted on January 25th, having left his ship at Newport, Mon.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 30	11 a.m.	s.s. "Natalia"	Spanish	Valencia <i>via</i> Liverpool	Typhoid Fever	The Master reported that L.V., age 27 years, a seaman, was ill on board. Upon examination, it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. The crew's spaces were disinfected, patients' effects removed for disinfection and water tanks emptied and cleansed.
Feb. 2	...	s.s. "Randulf Hansen"	Norwegian	Valencia <i>via</i> Bristol	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. H.C., age 22 years, a seaman, was admitted on January 28th.
"	9 a.m.	s.s. "Adamton"	British	Seville <i>via</i> Troon	Diphtheria	The Master reported on arrival that J.A., age 47 years, Chief Engineer, was sent to Hospital at Lisbon, suffering from Diphtheria. His berth and effects were disinfected by the Authorities at Lisbon.
"	...	"Antares"	Norwegian	Hamburg	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. Patient had been in hospital at Hamburg for some time previous to his arrival at Cardiff.
"	12 noon	s.s. "Scheria"	Italian	Rensburg	Influenza	P.F., age 25 years, a seaman, was reported ill on board. Upon examination it was found that he was suffering from Influenza. Patient was removed to the Royal Hamadryad Seamen's Hospital. On February 11th the following members of the crew were removed to the same institution suffering from Influenza and other complications, viz.:—M.A., donkey man, M.E., Z.E.C., and T.R., firemen, aged 47, 25, 20 and 18 years respectively.
"	2 p.m.	s.s. "Radley"	British	Antwerp	Influenza	P.J., age 30 years, a seaman, was reported ill on board. Medical treatment recommended.
"	11.45 a.m.	"Audun"	Norwegian	Havre	Rheumatism	J.B., age 50 years, Steward, was removed to the Royal Hamadryad Seamen's Hospital, suffering from Rheumatism.
"	10.30 a.m.	s.s. "Matador"	German	Libau	Influenza	The Master reported that W.P., age 24 years, cook, was ill on board. Medical treatment recommended. This vessel had been in port for some days.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 12	7.15 p.m. ...	s.s. "Chingford"	British	Rotterdam	Rheumatism	The Master reported on arrival that M.T.B., age 30 years, a fireman, was ill on board suffering from Rheumatism. Medical treatment recommended.
" 13	7.30 a.m. ...	s.s. "Trafalgar"	British	Rotterdam	Pneumonia	The Master reported on arrival that L.B., age 27 years, a fireman, was ill on board. Patient was medically examined, and was afterwards removed to the Royal Hamadryad Seamen's Hospital.
" 14	6 p.m. ...	s.s. "Dunkeld"	British	St. Nazaire	Injury	The Master reported on arrival that W.C., age 33 years, a seaman, was ill on board, suffering from an injury. Patient was medically examined and his removal to Hospital was advised.
" 14	...	s.s. "Fernhill"	British	Villa Garcia	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. Patient was not detained.
" 14	12 noon ...	s.s. "Antonie"	French	Antwerp	Dysentery	P.G., age 22 years, a seaman, was reported ill on board. Upon examination it was found that he was suffering from Dysentery. Patient was removed to the Royal Hamadryad Seamen's Hospital.
" 14	6.30 p.m. ...	s.s. "Eastfield"	British	Black Sea <i>via</i> Copenhagen	Itch	The Master reported on arrival that one of the crew was sent to Hospital at Algiers on the passage to Copenhagen, suffering from Itch. The crew's spaces were disinfected by the crew.
" 14	8 p.m. ...	s.s. Brenner	British	Boston (Lin)	Pneumonia	J.H., age 30 years, Second Mate, was sent to Hospital at Boston, suffering from Pneumonia.
" 17	10.10 a.m.	"Danmark"	Danish	Portland, O.	Gastritis and Indigestion	The Master reported on arrival that A.A. (O.S.) and H.H., seaman, aged 20 and 34 years respectively, were ill on board. Upon examination, the former was found to be suffering from Gastritis and the latter from Indigestion and they were medically treated on board.
" 21	11 a.m. ...	s.s. "San Lucar"	Norwegian	London	Jaundice	The Master reported on arrival, the E.H., age 17 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Jaundice. Medical treatment recommended.
" 21	12 noon ...	s.s. "Oakmore"	British	Antwerp	Cold	The Master reported that H.F., age 35 years, carpenter, was ill on board. Upon examination it was found that he was suffering from a cold.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 21	...	s.s. "Victorious"	British	...	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. G.S., age 33 years, a fireman, who was discharged from the s.s. "Victorious."
" 27	6.20 p.m.	s.s. "Ouse"	British	Caen ...	Fever and Ague	The Master reported on arrival that G.C., age 39 years, donkey-man, was ill on board. Upon examination it was found that he was suffering from Fever and Ague, and was removed to his home.
" 28	7.30 a.m.	s.s. "Bernard"	British	Novorossisk and Brake	Influenza ...	The Master reported on arrival that L.L., age 32 years, a seaman, was ill on board. Medical treatment recommended.
" "	7.50 p.m.	s.s. "Gran"	Norwegian	Oporto	Phthisis ...	The Master reported on arrival that H.J., age 50 years, carpenter, was ill on board suffering from Phthisis. Patient was removed to the Royal Hamadryad Seamen's Hospital on March 4th, and notified on the 18th.
" "	8.40 p.m.	s.s. "Carlo Zeno"	Italian	Southampton	Influenza ...	The Master reported on arrival that S.N., age 40 years, a seaman, was ill on board. Medical treatment recommended.
Mar. 8	11.45 a.m.	"Kurt"	German	Hamburg	Influenza ...	The Master reported on arrival, that H.T., age 18 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Influenza.
" 10	11 a.m.	s.s. "Paulina"	Spanish	Santander <i>via</i> Troon	Small Pox	V.M., age 29 years, a fireman, was taken ill during the night of the 9th inst., three days after arrival at this port. Upon examination it was found that he was suffering from Small Pox. Patient was forthwith removed to the Small Pox Hospital. The crew's spaces and all effects of crew were disinfected and the whole of the crew of 25 were vaccinated. No other case of sickness occurred on board during the vessel's stay at this port.
" 15	7 a.m.	s.s. "Green Jacket"	British	San Pedro <i>via</i> Antwerp	Inflammation of Bowels	The Master reported on arrival that J.A., age 36 years, First Engineer, died in hospital at San Pedro, from Inflammation of Bowels.
" 18	8.30 p.m.	s.s. "Queensgarth"	British	Berehaven <i>via</i> Portland	Pneumonia	The Master reported on arrival that W.C., age 47 years, a fireman, was taken ill on February 20th at Berehaven. Patient was removed to H.M.S. "King Edward VII." He subsequently recovered and rejoined the ship on March 17th.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Mar. 20	8.45 a.m. ...	s.s. "Dondo"	Portuguese	St. Thome <i>via</i> ... Lisbon & Havre	Anæmia ...	The Master reported on arrival that T.L.R., age 31 years, Chief Steward, was ill on board. Upon examination it was found that he was suffering from Anæmia. Medical treatment recommended.
" 24	11.10 p.m.	s.s. "Glenaffric"	British	Rangoon <i>via</i> ... Antwerp	Adenitis ...	The Master reported on arrival that one of the crew was ill on board. Upon examination it was found that he was suffering from Adenitis. Medical treatment recommended.
" 27	...	s.s. "Kilmaho"	British	Ayr ...	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. T.B., age 41 years, a fireman, was admitted on the 25th March from the Workmen's Home, Cardiff, where he had been staying for some time.
" 28	7 a.m. ...	s.s. "Llanberis"	British	Novorossisk ... <i>via</i> Brake	Phthisis ...	The Master reported on arrival, the P.L., age 55 years, a carpenter, was ill on board. Patient was removed to the Royal Hamadryad Seamen's Hospital on the following morning and detained. On April 3rd the Medical Superintendent notified the case as Phthisis.
" "	...	s.s. "Appledore"	British	Buenos Aires <i>via</i> Garston	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. H.G., age 22 years, a fireman, was admitted on March 24th from a Seamen's Boarding house, having left the ship on February 15th.
" 28	...	...	...	...	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. W.S., age 26 years, a fireman, out-patient from a seamen's boarding house, having left his ship at one of the ports on the Continent. Patient was afterwards removed to the Union Hospital.
" 29	6.45 a.m. ...	s.s. "Elleric"	British	Buenos Aires ... <i>via</i> Antwerp	Bronchitis and Adenitis	The Master reported on arrival that M.M., and M.K., aged 25 and 36 years respectively, Lascars, were ill on board. Upon examination, the former was found to be suffering from Bronchitis, and the latter from Adenitis, both men were removed to the Royal Hamadryad Seamen's Hospital.
" 30	6.20 a.m.	s.s. "Abana"	British	West Hartlepool	Influenza ...	The Master reported on arrival that one of the crew, a Lascar, was ill on board. Medical treatment recommended.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
April 7	11.20 a.m.	s.s. "Aboukir"	British	Buenos Aires <i>via</i> Dunkirk	Rheumatism	The Master reported on arrival that J.J., age 42 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Rheumatism. Medical treatment recommended.
"	2 p.m.	s.s. "Mayumba"	British	Sierra Leone <i>via</i> Hamburg	Pneumonia	The Master reported on arrival that J.B., age 36 years, first mate, was taken ill on the 3rd April. Upon examination it was found that he was suffering from Pneumonia. He was forthwith removed to the Royal Hamadryad Seamen's Hospital.
"	4 p.m.	s.s. "Hilda"	Norwegian	Bordeaux	Diarrhoea	The Master reported on arrival that M.J. and G.W., aged 53 and 24 years respectively, seamen, were ill on board, the former suffering from Diarrhoea and the latter from Swollen Legs. Medical treatment recommended.
"	5.45 p.m.	s.s. "Clan Graham"	British	Rangoon <i>via</i> Hamburg	Influenza	The Master reported on arrival that one of the Lasear firemen was ill on board. Medical treatment recommended.
"	...	s.s. "Wilhelmina"	British	Swansea	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis, W.W., age 41 years, a fireman, was admitted on the 13th April.
"	...	s.s. "Pedro Luis Lacave"	Spanish	Santander	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis, A.S., age 48 years, a fireman, was admitted on the 16th April and died on the 17th.
"	...	s.s. "Torbay"	Norwegian	Bilbao <i>via</i> Ardrossan	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis, T.F.H., age 30 years, first mate, was discharged at Ardrossan and came to Cardiff on April 1st, was treated as an out-patient at the Seamen's Hospital and died on the 22nd.
"	7.15 a.m.	s.s. "Blue Cross"	British	Saigon <i>via</i> Colombo and Nantes	Small Pox	The Master reported on arrival that F.G., age 44 years, chief engineer, was taken ill with Small Pox on February 27th. He was removed to Hospital at Colombo on March 3rd. His berth and effects were disinfected, some articles of clothing were destroyed, and the whole of the members of the crew were vaccinated. No other case of sickness occurred during the voyage.

TABLE IV. —continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
April 28	11 a.m.	s.s. "Saint Dunstan"	British	Bristol	Influenza ...	The Master reported that T.G., age 27 years, a fireman, was ill on board. Medical treatment recommended.
May 2	8 a.m.	s.s. "Trevean"	British	Buenos Aires ... via Rouen	Phthisis and Colds ...	The Master reported on arrival that J.D., age 35 years, a fireman, and A.W., age 40 years, a seaman, were ill on board. The former was admitted into the Royal Hamadryad Seamen's Hospital and notified on the 9th May to be suffering from Phthisis, and the latter was found to be suffering from a Cold.
"	9 a.m.	"Glenalvon"	British	Limerick	Scarlet Fever	R.B., age 17 years, apprentice, went to Leith and rejoined the ship at Cardiff on April 22nd. On April 28th he was taken ill and was removed on the 29th to the Royal Hamadryad Seamen's Hospital. On May 2nd, the Medical Superintendent notified the case as Scarlet Fever. Patient was forthwith removed to the City Sanatorium. His effects and bedding from the Hospital were removed for disinfection, also the ward at the Hospital was disinfected. The vessel had sailed previous to receiving notification.
"	8 p.m.	s.s. "Clan Macpherson"	British	Melbourne via ... Dunkirk	Phthisis, Beri Beri, and colds	The Master reported on arrival, the death of O.M., age 40 years, quarter-master, at sea on the 17th February, from Phthisis. Several members of the crew were medically attended at this port suffering from colds. One death occurred on May 9th from Heart Disease, the after effects of Beri Beri, deceased being a seaman age 17 years. The crew spaces were cleansed and disinfected.
"	8.45 a.m.	s.s. "Vancouver"	British	Melbourne via Naples	Inflammation of Bowels	The Master reported on arrival that W.J., age 44 years, a seaman, was ill on board. Patient had been medically treated at Naples for Inflammation of the Bowels.
"	8.45 p.m.	s.s. "Heliopolis"	British	Ocean Island ... via Hamburg	Beri Beri ...	The Master reported on arrival that L.P., and W.H., aged 29 and 25 years respectively, firemen, had been medically treated at Hamburg suffering from Beri Beri. Both men were convalescent on arrival at this port.
"	10.45 a.m.	s.s. "Iran"	British	Rangoon via Port Said, Malta Portland and Zaandam	Small Pox	The Master reported on arrival, that the chief, second, third and fourth engineers were sent to Hospital at Portland on April 11th suffering from Small Pox. The effects of chief and second engineers were disinfected at this port. Part of the crew were vaccinated at Portland, and the remainder at Zaandam. All well on arrival here.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
May 6	10.15 p.m.	s.s. "Dalemoor"	British	Karachi <i>via</i> Antwerp	Small Pox	The Master reported on arrival that A.A., age 28 years, a seaman, was taken ill on March 31st. On arrival at Suez on April 4th, patient was medically examined, found to be suffering from Small Pox, and forthwith removed to Hospital. On April 18th, C.T.S., age 46 years, a seaman was taken ill and removed to the Small Pox Hospital on arrival at Antwerp on the 25th. The vessel and crew's effects were disinfected by the Authorities at that port, and the whole of the crew were vaccinated. All well on arrival at this port.
" 10	...	s.s. "Fjord"	Norwegian	Bilbao	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. E.E., age 18 years, a seaman, was admitted on the 9th May. His berth was disinfected.
" 12	5 a.m.	s.s. "Strathyre"	British	Geelong <i>via</i> Dunkirk	Appendicitis	The Master was reported on arrival to be suffering from Appendicitis. Medical treatment obtained.
" 15	11.45 a.m.	s.s. "Aparima"	British	Melbourne <i>via</i> Dunkirk	Rheumatism and Colds	The Chief Mate reported that several members of the crew, Lascares, were ill on board. Upon examination it was found that M.Y., age 20 years, officers' steward, was suffering from Rheumatism, J.T.A., age 28 years, assistant steward A.M., age 18 years, trimmer and C.B., age 38 years, cook. The last three men were found to be suffering from Colds. They were all medically attended on board and recovered before the vessel left this port.
" 19	8.30 a.m.	s.s. "Katharine Park"	British	Melbourne <i>via</i> Monte Video and Dunkirk	Phthisis	The Master reported on arrival that one of the crew (Chinese) was left in Hospital at Monte Video, suffering from Phthisis.
" 19	9.30 a.m.	s.s. "Hutton"	British	River Plate <i>via</i> Bordeaux	Jaundice	The Master reported on arrival that J.J., age 27 years, a fireman, was ill on board suffering from Jaundice. Medical treatment recommended.
" 22	11.30 a.m.	"Arethusa"	German	W. Coast of America <i>via</i> Azores and Dunkirk	Beri Beri	The Master reported on arrival, that J.L., F.S., and L.H., aged 23, 26 and 32 years respectively, died from Beri Beri and were buried at sea between the 1st and 23rd of February. R.J., A.R., V.M., H.R., T.R., and H.B., aged 26, 20, 22, 22, 22, and 23 years respectively, were sent to hospital at Funchal, Azores, on or about March 1st suffering from the same disease. These men recovered and rejoined the ship. The crew spaces were disinfected, water-tanks emptied and cleansed, both at the Azores and Dunkirk.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
May 23	...	s.s. "Competitor"	British	Barry	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. S.S., age 30 years, a fireman on board the s.s. "Competitor," lying at Barry Dock. He was treated as an out-patient.
" 25	11 a.m. ...	s.s. "Longwy"	French	Nantes	Typhoid Fever	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever. L.R., age 23 years, a seaman, on board the s.s. "Longwy," was admitted on the 18th May. Vessel sailed before notification received.
" 27	...	...	...	...	Phthisis ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. A.S., age 40 years, a seaman, was treated as an out-patient.
" 31	9.15 a.m. ...	s.s. "Hampshire"	British	Buenos Aires via Hamburg	Typhoid Fever	The Master reported on arrival that A.J.W., age 50 years, late Master, died at sea on April 23rd from Typhoid Fever and was buried the same day. His berth was disinfected and cleansed by the crew, and water tanks were emptied and cleansed at this port.
June 2	...	s.s. "Matador"	British	Liverpool	Scarlet Fever	E.M., age 18 years, assistant steward, was taken ill on May 31st whilst visiting some friends at this port. Upon examination by a medical practitioner on June 1st, the patient was found to be suffering from Scarlet Fever. He was forthwith removed to the City Sanatorium. The vessel sailed previous to receiving notification.
" 2	11 a.m. ...	s.s. "Zuleika"	British	Campana via Liverpool	Measles ...	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, reported a case of Measles. O.N., age 33 years, a seaman, on board the s.s. "Zuleika," lying at Barry Dock, was brought to the Hospital. Patient was removed to the City Sanatorium and the Medical Officer of Health (Barry) was notified.
" 13	6.15 a.m. ...	s.s. "Casara"	Spanish	St. Louis du Rhône via Coreubion and Nantes	Typhoid Fever and Heart Disease	The Master reported on arrival that J.V., and P.E. first and second engineers, age 40 and 45 years respectively, had been medically attended at Nantes, suffering from colds. On the 17th, the former was seen by a doctor at his home in Cardiff, and was notified to be suffering from the effects of Typhoid Fever. The latter was removed to the Royal Hamadryad Seamen's Hospital on the 15th suffering from Heart Disease. The usual precautions were taken with regard to disinfection, water tanks were emptied, cleansed and a fresh supply of water taken in at this port.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
June 13	...	s.s. "Nereus"	Italian	Rotterdam	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. A.S., age 35 years, a seaman, was admitted the previous day from the s.s. "Nereus," just as the vessel was about the proceed to sea.
" 19	11.30 a.m.	s.s. "Corn Exchange"	British	Nicolaief <i>via</i> Hamburg	Malarial Fever	The Master reported on arrival that J.M., age 36 years, a fireman, had been suffering more or less from Malarial Fever during the voyage. Patient went to his home on leaving the ship.
" 23	3.50 p.m.	s.s. "Marte"	Spanish	Carthagena <i>via</i> Rotterdam	Cold	The Master reported on arrival, that C.A., age 25 years, assistant cook, was ill on board. Upon examination it was found that he was suffering from a cold.
" 27	6 a.m.	s.s. "Dunblane"	British	Vladivostok <i>via</i> Oran and Liverpool	Heart Disease	The Master reported on arrival in Penarth Roads; the death of C.K., age 28 years, quartermaster. On arrival in Roath Dock, the body was removed to the City Mortuary, pending an inquest and a verdict of death from Heart Disease was returned.
" 29	...	s.s. "Vennaehar"	British	Glasgow	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, V.J.D., age 28 years, cook, late of s.s. "Vennaehar," was discharged at Glasgow on May 10th and admitted into Hospital from a seaman's boarding house on June 26th.
July 3	8.30 a.m.	s.s. "Langbank"	British	Bombay <i>via</i> Antwerp	Small Pox	The Master reported on arrival, that T.M.P., age 24 years, 3rd engineer was taken ill with Small Pox on the 21st May, two days after leaving Bombay. He was sent to hospital on arrival at Perim on May 28th taking his effects with him. On June 5th, the day after leaving Port Said, W.P., age 24 years, 4th engineer sickened with Small Pox, and on arrival at Oran on June 13th he was sent to hospital together with his effects. On June 28th seven days after arrival at Antwerp, B.D.S.P., age 31 years, carpenter, sickened with Small Pox, he was forthwith removed to hospital, taking his effects with him. All the crew spaces were disinfected by the Authorities at that port. Crew refused vaccination. The whole of the crew were examined by the Medical Officer of Health on arrival at this port, names and addresses of all those leaving the ship were taken, forwarded to places of destination, and the remainder were kept under observation during the vessel's stay at this port.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS.	GENERAL PARTICULARS.
July 6	1.30 p.m. ...	s.s. "Hillhouse"	British	Nicolaïef <i>via</i> ... Algiers	Dysentery and ... Bronchitis	The Master reported on arrival that J.O.N., and J.W., age 24 and 48 years, fireman and seaman respectively, were sent to hospital at Algiers on June 26th, the former suffering from Dysentery, and the latter from Bronchitis. H.K., age 48 years, a fireman, had been suffering from Dysentery for twelve days, was still on board and advised to go to hospital.
" 11	7.45 p.m.	"Meteor"	Swedish	Laguna <i>via</i> ... Queenstown and Havre	Malarial Fever and Typhoid Fever	The Master reported on arrival that three of the crew were sent to hospital at Laguna, and three others on arrival at Queenstown, suffering from Malarial Fever. One death occurred at sea from the same disease. On July 12th, W.O., and A.P., age 24 and 18 years respectively, seamen, were taken ill, removed to the Royal Hamadryad Seamen's Hospital, and were notified on the 20th to be suffering from Typhoid Fever. A.P. died at that institution. The vessel and effects were disinfected, and the ward, bedding, etc. at the hospital were disinfected. Water tanks were emptied and cleansed at Havre.
" 15	8.30 a.m. ...	s.s. "Benin"	British	West Coast of ... Africa <i>via</i> Las Palmas	Malarial Fever	The Master reported on arrival that several cases of Malarial Fever occurred during the voyage. Two of the crew were sent to hospital at Las Palmas, and F.L., age 21 years, a fireman, was still on board suffering from the same disease. Medical treatment recommended.
" 16	9.15 a.m. ...	s.s. "Celtic King"	British	River Plate	Phthisis	The Master reported the death of one of the crew at Monte Video from Phthisis.
" 17	11.30 a.m.	s.s. "Star of New Zealand"	British	Buenos Aires ... <i>via</i> Liverpool	Diarrhœa	The Chief Mate reported that J.G., age 30 years, a seaman, was ill on board suffering from Diarrhœa. Medical treatment recommended.
" 20	12 noon ...	s.s. "Ovidia"	Swedish	Nykarleby	Jaundice	The Master reported that E. L., age 29 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Jaundice. Patient was forthwith removed to the Royal Hamadryad Seamen's Hospital.
" 25	...	s.s. "Maimaxa"	Russian	Archangel	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis, J.E., age 20 years, a seaman, was admitted on the 21st July. His berth and effects were disinfected.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
July 25	5 p.m.	s.s. "Hardanger"	Norwegian	Riga	Rheumatism	The Master was reported ill on arrival. Upon examination it was found that he was suffering from Rheumatism. Medical treatment recommenced.
Aug. 24	...	...	...	...	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. R.C., age 31 years, a fireman, was admitted from a seamen's boarding house.
"	...	s.s. "Ryall"	British	Hamburg	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. T.P.K., age 25 years, a fireman, was admitted on the 22nd August from a Seamen's boarding house, having recently left his ship at Hamburg.
" 26	8 p.m.	s.s. "Seawall"	British	Sulina <i>via</i> Antwerp	Cold	The Master reported on arrival, that J.D., age 40 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from a cold. Medical treatment recommenced.
"	9.15 p.m.	s.s. "Bankfield"	British	Buenos Aires <i>via</i> London	Diarrhœa	The Master reported on arrival that A.H., age 61 years, a seaman, was ill on board, suffering from Diarrhœa. Medical treatment recommended.
" 27	9.30 a.m.	s.s. "Quickstep"	British	Rocheport	Gastric Catarrh	The Master reported on arrival that W.W., age 30 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Gastric Catarrh. Medical treatment recommended.
" 28	11 a.m.	s.s. "Lisa"	Swedish	Hornosand <i>via</i> Portishead	Typhoid Fever	P.O.N., age 33 years, a seaman, was removed to the Royal Hamadryad Seamen's Hospital on the 24th August, just as the vessel was proceeding to sea, and on the 28th he was notified by the Medical Superintendent to be suffering from Typhoid Fever. His effects were removed for disinfection and the bedding, etc., at the Hospital, was disinfected after the patient's discharge.
Sept. 4	2.45 a.m.	s.s. "Welsh Trader"	British	London	Laryngitis	The Master reported on arrival, that D.T., age 46 years, steward, was ill on board. Upon examination he was found to be suffering from Laryngitis. Medically treated on board.
"	3.30 a.m.	s.s. "Red Rose"	British	Nantes	Enteritis	The Mate reported on arrival, that the Master, W.J., age 62 years was ill on board. Upon examination, it was found that he was suffering from Enteritis. Medically treated on board.

TABLE IV.—continued.

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Sept. 9	11.30 a.m.	s.s. "Roslagen"	Swedish	St Petersburg	Typhoid Fever	The Master, J.F., age 51 years, had been medically attended on board since the 5th September, and on the 9th he was notified to be suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His berth and effects were disinfected, water tanks were also emptied and cleansed.
, 11	9.30 a.m.	s.s. "Norfolk"	Norwegian	Mobile <i>via</i> New Orleans and Bordeaux	Malarial Fever and Ulcerated Stomach	The Master reported on arrival, that S.V., age 18 years, was taken ill on August 5th, just after leaving New Orleans, with severe pains in stomach. On the 20th L.W., fireman and S.H., seaman, aged 44 and 25 years respectively, were taken ill, the two latter men were sent to hospital on arrival at Bordeaux on August 29th suffering from Malarial Fever, L.W., rejoined the ship. Both him and S.V. were medically examined on arrival at this port and were advised to go to hospital. The water tanks were emptied and cleansed.
, 18	12.55 a.m.	s.s. "Welbeck Hall"	British	Kherson <i>via</i> Gibraltar	Remittent Fever	The Master reported on arrival, that M.R., age 39 years, a fireman, was sent to hospital at Gibraltar on the 11th September, suffering from Remittent Fever.
, 26	...	s.s. "Pinin"	Italian	...	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. Patient was brought to the hospital from the s.s. "Pinin," lying at Port Talbot.
, 28	9.45 a.m.	"Verbena"	British	Sydney	Apoplexy	The Master reported on arrival that G.S., age 66 years, a seaman, was taken ill on July 27th, died on August 2nd, and was buried at sea.
, 29	...	s.s. "Essonite"	British	Jersey	Typhoid Fever	The Master reported on arrival that J. McC., age 34 years, a seaman, was ill on board. He was removed to the Royal Hamadryad Seamen's Hospital the following day, and on October 2nd was notified by the Medical Superintendent to be suffering from Typhoid Fever. Patient was not removed to the City Sanatorium. Vessel sailed on the day of admittance of patient to Hospital.
Oct. 3	4 a.m.	s.s. "Isle of Lewis"	British	Ibrail <i>via</i> Hamburg	Cold	The Master reported on arrival that N.P., age 37 years, a fireman, was ill on board, suffering from a cold. Medical treatment recommended.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Oct. 5	4 p.m.	s.s. "Cereda"	British	Sulina <i>via</i> Waterford	Cold	The Master reported on arrival that B.K., age 19 years, a seaman, had been ill since the 2nd October, suffering from a cold. Medical treatment recommended.
" 11	11.30 a.m.	s.s. "Confessa Adelma"	Austrian	London	Fever and Ague	The Master was reported by his medical attendant to be suffering from Fever and Ague. This vessel had been in dock for some days.
" 13	12 noon	s.s. "Ulefos"	Norwegian	Valencia <i>via</i> Bristol	Colic	The Master reported on arrival that A.B., age 22 years, a seaman, was ill on board, suffering from Colic. Patient had been medically attended at Bristol.
" 15	10.10 a.m.	s.s. "King Edward"	British	Dakar <i>via</i> Hamburg	Malarial Fever	The Master reported on arrival that several cases of Malarial Fever had occurred amongst the crew during the vessel's stay at Dakar, also after leaving that port. They were all more or less convalescent on arrival at this port, except the Master who was still suffering from its effects.
" 19	5 p.m.	s.s. "Salvadora"	Uruguayan	Bilbao	Cold	The Master reported on arrival, that J.F., and V.R.M., age 24 and 29 years respectively, firemen, were ill on board, suffering from colds. Medical treatment recommended.
" 20	3.15 a.m.	s.s. "King Lud"	British	Dakar	Malarial Fever and Phthisis	Notification was received from the Barry Port Sanitary Authority on the 19th inst, that this vessel was in the Roads and would enter Cardiff the next morning. On boarding the steamer, the Master reported that one of the crew, J.W., age 33 years, a fireman, had died the previous night from Malarial Fever. His body was removed to the City Mortuary. The following persons were removed to the Royal Hamadryad Seamen's Hospital, C.N., age 28 years, seaman; T.H., 52 years, carpenter; W.E., age 26 years, fireman; T.G., age 22 years, fireman, and O.T., age 28 years, steward. J.B., age 30 years, cook, also went to his home suffering from Phthisis. T.P., age 23 years, fireman, and H.T., age 15 years (O.S.) were sent to hospital at Las Palmas on Oct. 10th suffering from Malarial Fever. Several other members of the crew who had suffered from the same disease were convalescent on arrival at this port. The crew spaces and effects were disinfected and cleansed, and the water tanks were also emptied and cleansed.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Oct. 24	9 a.m.	s.s. "Rollesby"	British	Sulina <i>via</i> Antwerp	Gastric Catarrh ... Inguinal Adenitis and Influenza	The Master reported on arrival that three of the crew were ill on board. Upon examination, D.F., age 63 years, seaman, was found to be suffering from Gastric Catarrh. C.J., age 36 years, seaman, was suffering from Inguinal Adenitis, and S.Z., age 29 years, fireman, was suffering from Influenza. Medical treatment recommended.
"	25 9 p.m.	"Storesand"	Norwegian	Geelong <i>via</i> Queenstown	Heart Disease	The Master reported on arrival that one of the crew was suffering from Heart Disease. Patient had been medically examined at Queenstown.
Nov. 12	12 noon	"Lindfield"	British	Port Adelaide ... <i>via</i> Queenstown	Phthisis	The Master reported on arrival, the death at sea on October 2nd, of T.T., age 30 years, a seaman, from Phthisis.
"	15 1.15 p.m.	s.s. "William Broadley"	British	Odessa <i>via</i> London	Pneumonia	The Master reported that W.T., age 27 years, a seaman, was ill on board. Upon examination, it was found that he was suffering from Pneumonia, and was forthwith removed to the Royal Hamadryad Seamen's Hospital. This vessel had been in dock since Nov. 9th.
"	16 3.30 a.m.	s.s. "Charles T. Jones"	British	Kherson	Gastric Catarrh	The Master reported on arrival, that P.K., age 50 years, donkeyman, was ill on board. Upon examination it was found that he was suffering from Gastric Catarrh. Patient was removed to his home in the City.
"	16 11.30 a.m.	s.s. "Yola"	British	Galveston <i>via</i> Liverpool	Bronchitis and Eczema	The Master reported that G.W., age 50 years, fireman, was ill on board. Upon examination it was found that he was suffering from Bronchitis and Eczema. Patient was forthwith removed to the Royal Hamadryad Seamen's Hospital.
"	" 7.30 p.m.	s.s. "King Bleddyn"	British	Dakar	Malarial Fever	The Master reported on arrival that J.R., age 32 years, cook; T.P., age 38 years, fireman, and W.G.T., age 23 years, second mate, were ill on board. Upon examination it was found that the two former were recovering from Malarial Fever, but the latter was very ill suffering from the same disease. He was forthwith removed to the Royal Hamadryad Seamen's Hospital, his berth and effects were disinfected, and the water tanks emptied and cleansed.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Nov. 27	11.20 a.m.	s.s. "Clan Chattan"	British	East Indies <i>via</i> London	Colds	The Master reported on arrival, that three members of the crew (Lasars) were ill on board. Upon examination it was found that they were suffering from colds and would be medically attended on board.
Dec. 4	4.45 p.m.	s.s. "Broomfield"	British	Savannah <i>via</i> Havre	Pleurisy	The Master reported on arrival that O.G., age 51 years, a fireman, was ill on board. Upon examination it was found that he was suffering from a slight attack of Pleurisy.
" 5	4.30 a.m.	s.s. "Montauk"	British	Galveston <i>via</i> Havre	Rheumatism	The Master reported on arrival, that F.T., age 21 years, engineer's steward, was ill on board, suffering from Rheumatism. Medical treatment recommended.
" 12	...	s.s. "Burrsfield"	British	...	Typhoid Fever	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever, J.A., age 28 years, a fireman, was admitted on the 5th December, having recently left the ship at Barry Dock. He was not removed to the City Sanatorium, but remained under treatment at the above institution.
" 15	3 p.m.	s.s. "Peter Benoit"	Belgian	Riga <i>via</i> Antwerp	Gastritis	The Master reported on arrival that F. P., age 39 years, a fireman, was ill on board. Upon examination it was found that he was suffering from Gastritis. Patient was forthwith removed to the Royal Hamadryad Seamen's Hospital.
" 19	4.30 p.m.	s.s. "Bedouin"	British	Port Arthur (Texas) <i>via</i> Bremen	Cold	The Master reported on arrival, that one of the crew (Lascar) was ill on board, suffering from a cold. Medical treatment recommended.
" 25	10.30 a.m.	s.s. "Chr. Glystorff"	Danish	Valencia <i>via</i> Manchester	Epididymitis and Hæmorrhoids.	The Master reported on arrival, that N.N., age 20 years, and C.S., age 30 years, fireman, were ill on board. Upon examination, it was found that the former was suffering from Epididymitis, and the latter from Hæmorrhoids. Both men were removed to the Royal Hamadryad Seamen's Hospital.
" 27	9.45 a.m.	s.s. "Macedonia"	Swedish	Skutskar, London and Falmouth	Gastric Catarrh	The Master reported that C.P., age 35 years, carpenter, was ill on board suffering from Gastric Catarrh. Patient had been medically attended at London and Falmouth.

TABLE IV.—*continued.*

DATE 1911	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Dec. 28	11 a.m. ...	s.s. "Teesdale"	British	Kustendje <i>via</i> Antwerp	Pleurisy and Rheumatism	The mate reported on arrival that Capt. Parkinson, age 37 years, was ill on board, suffering from Pleurisy. He had been medically attended at Portland. J.B., age 25 years, a fireman, was sent to hospital at Antwerp, suffering from Rheumatism.
"	11.15 a.m.	s.s. "Millicent Knight"	British	Nicolaief <i>via</i> Rotterdam	Rheumatism	The Master reported on arrival that A.C., age 30 years, a fireman, was ill on board suffering from Rheumatism. Medical treatment recommended.
"	10.45 a.m.	s.s. "Wooda"	British	Odessa <i>via</i> Hamburg	Rheumatism	The Master reported on arrival, that N.W., age 40 years, a seaman, was ill on board, suffering from Rheumatism. Medical treatment recommended.
"	11 a.m. ...	s.s. "Elho"	Italian	Port Augusta <i>via</i> Algiers	Catarrh	The Master reported on arrival, that A.V., age 20 years, a fireman, was ill on board. Patient was removed to the Royal Hamadryad Seamen's Hospital, and was found to be suffering from Catarrh.
"	...	s.s. "Obi"	British	...	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. J.B.H., age 25 years, late fireman on board the s.s. "Obi," was discharged at Burntisland and admitted into the above institution on the 5th December.
"	...	s.s. "Joseph Davis"	British	Rotterdam	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. P.A.R., age 29 years, cook on board the s.s. "Joseph Davis," was admitted into the above institution on the 16th December.
"	...	s.s. "Cundall"	British	Havre	Phthisis	The Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Phthisis. R.S., age 20 years, a seaman on board the s.s. "Cundall," was admitted into the above institution on the 23rd December.

CHOLERA, YELLOW FEVER AND PLAGUE.

The Regulations of the 9th November, 1896, and the 24th December, 1902, relating to Cholera, Yellow Fever, and Plague, have been rescinded by the Local Government Board, who have issued further Regulations dated the 9th September, 1907 :—

The following is a summary of the methods of dealing with the above-named diseases under the provisions of the New Regulations which relate to (1) Ships arriving from Foreign Ports (2) Outward Bound Ships, (3) Coasting Ships.

With respect to ships arriving from Foreign Ports, the provisions contained in the Regulations hitherto in force are reproduced in the New Regulations, together with certain additions and alterations.

The term "Infected Ship" is limited to a ship on which there is actually on board at the time of arrival a case of Cholera, Yellow Fever, or Plague, or on which there has been a case of *Cholera*, or *Plague* within 7 days before arrival, or a case of Yellow Fever within 18 days before arrival.

The term "Suspected Ship" applies to a ship on which there has been a case of Cholera or Plague, more than 7 days before the arrival of the ship, or a case of Yellow Fever more than 18 days before arrival, whether the case has occurred in the Port of Departure, or in another Port in the course of the voyage or at any time during the voyage, and on which no fresh case of Cholera, or Plague has occurred within 7 days, or of Yellow Fever within the 18 days.

The Regulations now require that Officers of Customs should address questions to the Masters or Surgeons of all ships from Foreign Ports, in order to ascertain whether the ship is an infected ship, or a suspected ship, or whether it has called at an infected port, and may detain any such ship until it has been visited by the Medical Officer of Health, who is required to carry out the requirements of the Regulations as to the examination of all persons on board, the removal to hospital of any persons suffering from either Cholera, Yellow Fever, or Plague, and the necessary disinfection of the ship.

After such removal of the sick person, no other person is allowed to land from the infected ship, unless he satisfies the Medical Officer of Health as to his name, intended place of destination and address.

These particulars are subsequently forwarded to the Sanitary Authority of the place of destination, in order that the person may be kept under Medical observation for a specified time in each case. The same proceedings may be taken in the case of a suspected ship, when in the opinion of the Medical Officer of Health such proceedings are necessary. Under the new Regulations the disinfection of a ship infected with Cholera or Plague is limited to those parts of it which have been used as quarters by the infected person. The Regulations also provide for the inspection by the Medical Officer of Health, of an infected ship, or a suspected ship, or a ship coming from an infected Port, whether the ship has or has not been visited and examined by an Officer of Customs, and if he finds that the ship is infected and certifies to that effect, the Master is required to moor or anchor the ship at the Mooring station, where she is dealt with in accordance with the Regulations.

The Mooring Station fixed upon in the Port Sanitary District of Cardiff is within a short distance N.E. of the Flat Holm Island, and the Hospital to which all persons suffering from Cholera, Yellow Fever, or Plague on board ship would be removed, is situated on this island.

In this Port the Customs Boarding Stations are defined in the General Order ¹⁵₁₈₉₆ as follows :—

- (1.) Glamorganshire Canal, outside Sea Locks.
- (2.) East Bute Dock Basin.
- (3.) West Bute Dock Basin.
- (4.) Roath Dock Basin.
- (5.) Penarth Dock Basin.
- (6.) Penarth Tidal Harbour.
- (7.) Queen Alexandra Dock, outer Locks.

Theoretically the Customs Officers would notify any infected or suspected ship to the Medical Officer of Health at these stations, and would detain her in this situation until visited by that Officer. Practically, however, their boarding arrangements would not permit them to do so within a reasonable time of the arrival of the ship at the Dock Basins; this notification is therefore in fact sent to the Medical Officer of Health or to his Medical Assistants by the Inspectors of the Port Sanitary Authority, who board every ship from Foreign Ports immediately on their arrival in the Dock Basins. In this way any unnecessary detention of shipping in the Dock Basins is avoided.

A supplementary Customs Boarding Station has recently been fixed in the Penarth Roads, which will, it is understood, be used in the event of Cholera or Plague spreading to any of the Continental Ports with which there is a direct communication with the Port of Cardiff. In this event the Officers of the Customs and the Officers of the Port Sanitary Authority will presumably, by arrangement, visit together infected and suspected ships, and ships from infected Ports.

New provisions have been made prescribing the procedure to be followed with a view to prevent the transmission of Plague by rats on board ship, and the escape from the ship to shore of rats that may be infected with Plague. With a view to obviating the first of these dangers, rats are in all cases to be destroyed when the ship is infected with Plague, or when rats in the ship are infected with that disease.

In the case of a ship which is not infected, but is a suspected ship by reason of Plague, or has come from an infected Port, this procedure is not obligatory, except when the Medical Officer of Health requires it to be followed.

In view of the part now known to be taken by a certain species of Mosquito in the transmission of Yellow Fever to man, provision has been made enabling the Medical Officer of Health to require the Master of the ship to take measures intended to insure the destruction of mosquitoes and their larvæ on board ship when he considers this procedure necessary for preventing the spread of the disease.

Regulations have also been made for the first time, dealing with Outward Bound and Coasting Ships infected with Cholera or Plague. In the case of ships outward bound from the district of any local Authority in England and Wales infected with Cholera or Plague, the Medical Officer may at his discretion, and must when required by the Master of the ship, examine all persons on board in order to ascertain if any of them are infected with Cholera or Plague, and in such cases he must take the necessary steps for preventing the spread of infection. In the event of all persons on board being found in good health, and all articles on board being free from infection, the Medical Officer of Health may give a certificate that all the necessary steps have been taken for preventing the spread of disease, and that the ship is free from infection, and a charge may be made by the Local Authority for any such certificate. The sum which the Master of the ship may be required to pay must not exceed the amount prescribed in the table of charges set out in the Regulations.

Another set of Regulations deals with ships sailing from English or Welsh Ports (Coastwise Ships) infected with Cholera or Plague to other Ports in the United Kingdom, which correspond closely with those which relate to Outward Bound ships. Provision is also made for the appointment and payment of qualified Medical Practitioners to assist the Medical Officer of Health in carrying out the duties under these Regulations, and finally, any person who wilfully neglects or refuses to carry out any of the Regulations is liable to a penalty not exceeding £100, and in the case of a continuing offence, to a further penalty not exceeding £50 for every day during which the offence continues.

Copies of the following Notice relating to the New Regulations have been forwarded to the Pilots of the Port, and to Masters of Ships within the District of the Local Authority :—

CARDIFF PORT SANITARY AUTHORITY.

NOTICE TO PILOTS, MASTERS, OR OTHER PERSONS IN CHARGE OF VESSELS COMING FROM FOREIGN PORTS.

REGULATIONS AS TO CHOLERA, YELLOW FEVER, AND PLAGUE.

1. Your attention is directed to the Regulations of the Local Government Board, dated September 9th, 1907, as to CHOLERA, YELLOW FEVER, AND PLAGUE Ships arriving from Foreign Ports.

2. The following points which apply to the Port Sanitary District of Cardiff require particular attention.

3. The Master of an " Infected " Ship, or a " Suspected " Ship shall, on being required so to do by the Medical Officer of Health, cause the Ship to be taken to the *Mooring Station* situated at a point N.E. of the Flat Holm Island in the Bristol Channel, to be dealt with in accordance with the aforesaid Regulations.

4. No person shall leave any such ship until every person on board has been examined by the Medical Officer of Health.

5. Only "*Infected Ships*" or "*Suspected Ships*" are to be taken to the Mooring Station near the Flat Holm Island. All other Ships coming into the Port of Cardiff are dealt with at the *Customs Boarding Stations* in the Dock Basins.

6. DEFINITIONS.—The expression "Master" includes the Officer, Pilot, or other person for the time being in charge or command of the ship. The expression "*Infected Ship*" means a ship which at the time of arrival has on board a case of CHOLERA, YELLOW FEVER, OR PLAGUE, or which has had on board a case of CHOLERA OR PLAGUE within a period of seven days, or of YELLOW FEVER within a period of eighteen days prior to the time of arrival in this Port. The expression "*Suspected Ship*" means a ship which has had on board during the voyage, or during the stay of the ship in the Port of Departure, or in a Port in the course of the voyage, a case of CHOLERA, YELLOW FEVER OR PLAGUE, but which has not had on board a fresh case of CHOLERA OR PLAGUE within seven days, or of YELLOW FEVER within eighteen days prior to the time of arrival from a Foreign Port.

7. Vessels which have already been dealt with under the Regulations on their arrival from *Foreign* at another Port, and which have not had on board a fresh case of CHOLERA, YELLOW FEVER, OR PLAGUE since leaving that Port, are not to be detained at the *Mooring Station*.

EDWARD WALFORD, M.D.,
*Medical Officer of Health for the Cardiff Port
 Sanitary Authority.*

Offices of the Port Sanitary Authority :—
 95, BUTE STREET.
 CARDIFF.

NOTE.—A copy of the Regulations may be obtained on application to the Medical Officer of Health.

HOSPITAL ACCOMMODATION.—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Plague on board Ships. It consists of one pavilion containing two Wards and Nurses' Rooms, Bathrooms, Lavatories, &c. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the Island, *i.e.* about 40 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Mortuary, a Post-Mortem Room, and a Crematorium for the destruction of the bodies of persons dying in the Hospital or on board an infected ship. The Caretakers reside in a house adjoining the Hospital, belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows :—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Crematorium on the Island for the cremation of bodies of persons dying of Cholera, Yellow Fever, or Plague within their District.

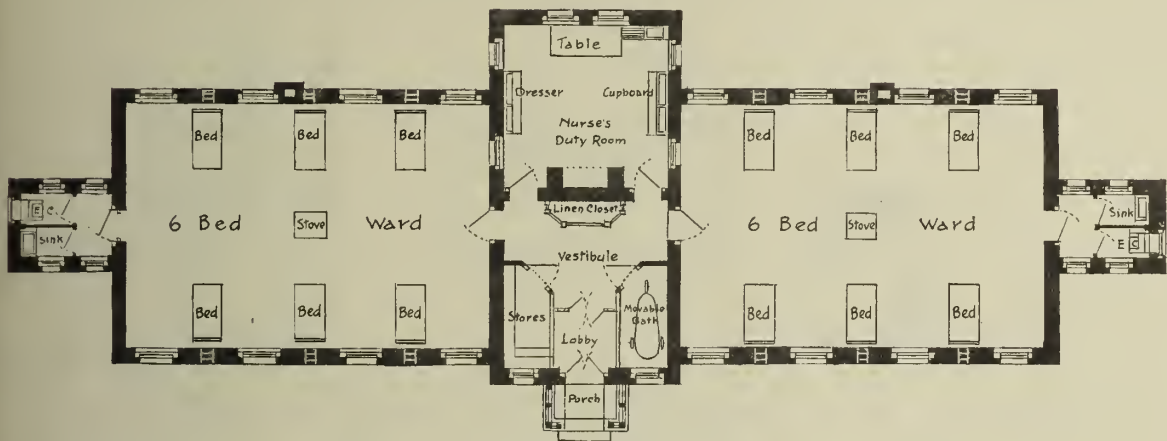
The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to cremate the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £3 3s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgwater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

CARDIFF PORT SANITARY AUTHORITY.

HOSPITAL AT FLAT HOLM ISLAND.



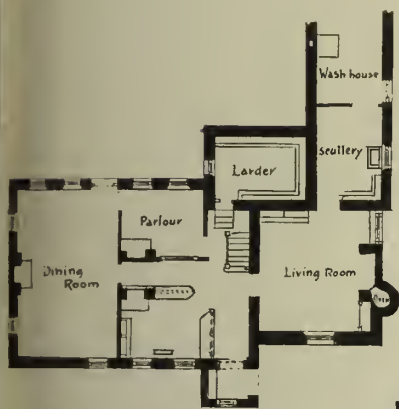
— Ground Plan —



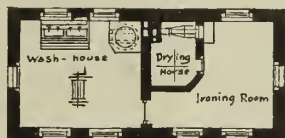
Front Elevation

Scale 0 1 2 3 4 5 6 7 8 9 10 15 20 30 40 Feet.

— CARDIFF PORT SANITARY AUTHORITY —
— HOSPITAL AT FLAT HOLM ISLAND —



— Ground Plan of House
for Caretaker & Staff. —



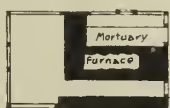
— Plan of Laundry —



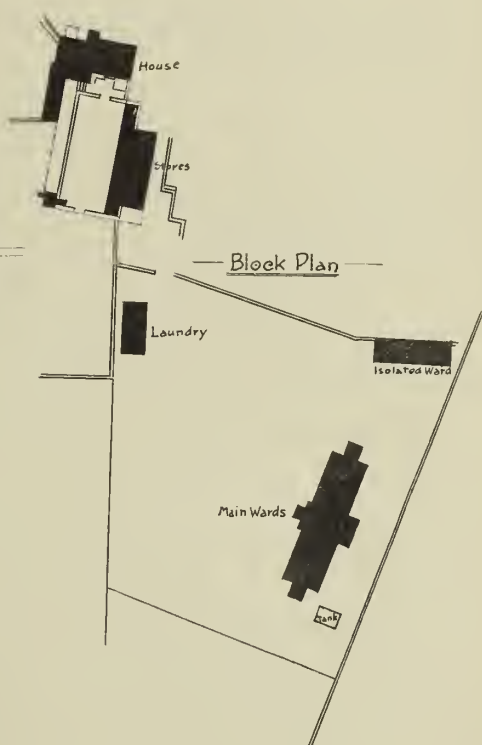
— Plan of Isolated Ward —



— Chamber Plan —



— Plan of Crematorium —



— Block Plan —

The following Table gives particulars of vessels dealt with during the year 1911, under the Cholera, Yellow Fever, and Plague Regulations:—

TABLE V.

Date 1911	Number of Vessels			Vessels which have been subjected to rat destruction.			Number of Rats destroyed	From Ports Infected with the following Diseases	Medical Inspection on arrival BY
	Infected Vessels	Suspect- ed Vessels	Vessels from Infected Ports	Infected Vessels	Suspect- ed Vessels	Vessels from Infected Ports			
Jan. 30	1	...	...	1	216	Cholera and Plague	Medical Officer of Health
Aug. 25	1	...	...	...	...	Cholera	Assistant Medical Officer of Health.
Sept. 1	1	...	...	...	...	"	"
" 3	1	...	...	...	...	"	"
" 7	1	...	...	...	...	"	Medical Officer of Health
" 8	1	...	...	...	...	"	Assistant Medical Officer of Health.
" 11	1	...	...	...	...	"	"
" 19	1	...	...	...	...	"	"
" 21	1	...	...	...	...	"	"
" 22	1	...	...	...	...	"	Medical Officer of Health
" 27	1	...	...	...	...	"	"
Oct. 3	1	...	...	...	...	"	Assistant Medical Officer of Health
" "	1	...	...	...	...	"	"
" 12	1	...	...	...	...	"	Medical Officer of Health
" 13	1	...	...	...	...	"	"
" 15	1	...	...	...	...	"	Assistant Medical Officer of Health.
" 17	1	...	...	...	...	"	"
" 29	1	...	...	...	...	"	"
Nov. 3	1	...	...	...	...	"	Medical Officer of Health
" 8	1	...	...	...	...	"	"
" 15	1	...	...	...	...	"	Assistant Medical Officer of Health
" 17	1	...	...	...	...	"	Medical Officer of Health
" 23	1	...	...	...	...	"	"
" 27	1	...	...	...	...	"	Assistant Medical Officer of Health
" 28	1	...	...	...	...	"	Medical Officer of Health
" 29	1	...	...	...	...	"	Assistant Medical Officer of Health
	26	...	...	1	216	...	

Of the above number of vessels, 1 came from a Plague infected port, and 25 from Cholera infected ports.

During the year, the rat-catchers were engaged on 47 vessels. The total number of rats caught and subsequently destroyed amounted to 7,826.

The Memorandum of the Medical Officer of the Local Government Board, issued to Sanitary Authorities in November, 1910, describes (1) The symptoms of Plague ; (2) The diagnosis ; (3) The method of spread ; (4) Rats as being the source of Plague.

Your Committee is aware of the systematic destruction of rats, which is carried on in your Port Sanitary District, and the Warehouses at the Docks.

Rats have been submitted from time to time for examination to the Bacteriologist of the Cardiff and County Public Health Laboratory.

The following Table gives the results of the examinations by Mr. J. H. Sugden, M.Sc., F.I.C., of fifty-two rats from vessels in the port, and Warehouses at the Docks, during the year ended 31st December, 1911 :—

TABLE VI.

1911	No. of rats submit ed.	Name of Ship.	Where from	Result of Examination.
Jan. 10	3	s.s. "Dowlais" ...	Rosario ...	Negative
" 25	2	... ..	Roath Dock Warehouse ...	"
Feb. 1	8	s.s. "Sutherland" ...	Karachi ...	"
" 17	2	s.s. "Pendennis" ...	Novorossisk ...	"
Mar. 3	2	s.s. "Vimeira" ...	Porman ...	"
" 8	2	s.s. "Clan Mathesen" ...	Melbourne and Durban ...	"
" 14	2	... ..	Gilchrist's Warehouse, West D'k ...	"
" 22	1	... ..	Begg's Warehouse, West Dock ...	"
" 30	6	s.s. "Elleric" ...	Buenos Aires and Antwerp ...	"
April 3	5	s.s. "Sweetheope" ...	Rosario ...	"
" 11	2	... ..	Radcliffe's Warehouse ...	"
" 20	2	s.s. "Miles Coverdale" ...	Nicolaieff ...	"
May 15	1	s.s. "Augsburg" ...	Sydney, N.S.W. ...	"
July 28	3	s.s. "Cyfarthfa" ...	Rosario ...	"
Oct. 11	4	s.s. "Queen Eugenie" ...	Geelong ...	"
" 24	2	s.s. "Baltistan" ...	Persian Gulf ...	"
Nov. 13	1	s.s. "Wei Wera" ...	Melbourne ...	"
Dec. 4	2	s.s. "Emma" ...	Rosario ...	"
" 12	2	"Magdalena" ...	Riga ...	"
	52			

During the year, Cholera existed in India, Dutch East Indies, Philippine Islands and Japan. The disease became prevalent in several Russian Ports in the Black Sea, also Turkey, Tunis, Sardinia, Syria, Roumania, France, Austria, Bulgaria, Arabia, America, Bahrein Islands, Brazil, Hawaiian Islands, Madeira, Malta and Montenegro. In Italy, Cholera was epidemic.

Yellow Fever was reported in Brazil, Ecuador, Gold Coast, West Coast of Africa, The Gambia, Mexico, Sandwich Islands and Venezuela.

Plague was reported in India, China, Philippine Islands, Chili, Peru, Turkey, Egypt, Brazil, Venezuela, Ecuador, Russia, Dutch East Indies, Arabia, Bahrein Islands, Java, Mauritius, Morocco and Persia.

A strict examination is made of all vessels on arrival at the Customs Boarding Stations, during the day and night tides, whether directly or indirectly from infected or suspected ports ; these vessels are dealt with in accordance with the Regulations of the Local Government Board of the 9th September, 1907.

The Local Government Board issued weekly statements, giving particulars of cases of Cholera, Yellow Fever, and Plague, together with the number of deaths from those diseases, as seen in the annexed table for the year ended 31st December, 1911.

Particulars of cases and deaths from Cholera, Yellow Fever and Plague prepared by the Local Government Board, and reported to have occurred at various ports in the undermentioned countries during the year ended December 31st, 1911.

TABLE VII.

CHOLERA.

COUNTRY.				PORT.			CASES.	DEATHS.
America	...	...	...	Boston	...	...	1	1
"	...	...	...	New York	...	...	4	1
Arabia	...	...	...	Jeddah	...	...	62	4
"	...	...	...	Junlo	...	...	24	21
"	...	...	...	Perim	...	...	16	9
Austria	...	...	...	Arbo	...	...	2	...
"	...	...	...	Buda Pest	...	...	1	...
"	...	...	...	Cittanova	...	...	1	1
"	...	...	...	Trieste	...	...	25	6
"	...	...	...	Vienna	...	...	2	...
Bahrein Islands	...	...	...	...	...	...	40	260
Brazil	...	...	...	Rio de Janeiro	...	...	4	2
Bulgaria	...	...	...	Bourgas	...	...	3	2
"	...	...	...	Sozapalis	...	...	5	...
"	...	...	...	Varna	...	...	1	...
Dalmatia	...	...	...	Cattaro	...	...	2	1
Dutch East Indies	...	...	...	Batavia	...	...	296	221
"	"	...	...	Macassar	...	...	96	88
France	...	...	...	Marseilles	...	...	96	31
India	...	...	...	Bombay	...	...	164	167
"	...	...	...	Calcutta	...	...	...	165
"	...	...	...	Karachi	...	...	4	4
"	...	...	...	Madras	...	...	635	383
Italy	...	...	...	Ancona	...	...	1	...
"	...	...	...	Ascoli	...	...	1	...
"	...	...	...	Bari	...	...	380	64
"	...	...	...	Cagliari	...	...	40	12
"	...	...	...	Catania	...	...	534	129
"	...	...	...	Cantanzara	...	...	33	22
"	...	...	...	Caserta	...	...	777	310
"	...	...	...	Chieta	...	...	26	22
"	...	...	...	Ferrara	...	...	40	14
"	...	...	...	Foggia	...	...	157	84
"	...	...	...	Francavilla	...	...	1	1
"	...	...	...	Florence	...	...	2	...
"	...	...	...	Genoa	...	...	401	169
"	...	...	...	Girgenti	...	...	494	255
"	...	...	...	Leghorn	...	...	662	328
"	...	...	...	Lucca	...	...	8	1
"	...	...	...	Massa	...	...	120	56
"	...	...	...	Messina	...	...	84	20
"	...	...	...	Naples	...	...	616	219

TABLE VII.—Continued.

CHOLERA—*con.*

COUNTRY.				PORT.			CASES.	DEATHS.
Italy	...	...	...	Nettuno	...	...	...	1
"	...	...	...	Palermo	...	...	1,050	378
"	...	...	...	Pesaro	...	...	54	22
"	...	...	...	Potenza	...	...	18	14
"	...	...	...	Reggio	...	...	35	34
"	...	...	...	Rome	...	...	121	64
"	...	...	...	Salerno	...	...	374	252
"	...	...	...	Syracuse	...	...	139	51
"	...	...	...	Taranto	...	...	34	29
"	...	...	...	Trapani	...	...	62	15
"	...	...	...	Venetia (Province)	...	...	67	25
"	...	...	...	Venice	...	...	197	72
Japan	...	...	...	Osaka	...	...	5	3
Java	...	...	...	Batavia	...	...	813	641
"	...	...	...	Joana	...	...	44	31
"	...	...	...	Pasoeroean	...	...	9	7
"	...	...	...	Petalongan	...	...	2	2
"	...	...	...	Samarang	...	...	605	514
"	...	...	...	Sourabaya	...	...	133	89
"	...	...	...	Tanjong	...	...	3	2
Madeira	...	...	...	Funchal	...	...	489	98
Malta	...	...	...	...	...	...	77	51
Montenegro	...	...	...	Lake Skatan	...	...	1	...
Persia	...	...	...	Ahwoz	...	...	90	85
"	...	...	...	Bushire	...	...	2	2
"	...	...	...	Mohammerah	...	...	192	134
Philippine Islands	...	...	...	Albay	...	...	50	38
"	"	...	...	Bulacan	...	...	14	12
"	"	...	...	Manila	...	...	16	17
"	"	...	...	Mindoro	...	...	49	41
Roumania	...	...	...	Braila	...	...	35	10
"	...	...	...	Galatz	...	...	1	...
Russia	...	...	...	Abasia	...	...	...	2
"	...	...	...	Astrakhan	...	...	300	170
"	...	...	...	Baka	...	...	3	...
"	...	...	...	Ekaterinoslav	...	...	1	1
"	...	...	...	Nicolaieff	...	...	17	5
"	...	...	...	Novorossisk	...	...	1	2
"	...	...	...	Odessa	...	...	4	1
"	...	...	...	Rostov-on-Don	...	...	60	27
"	...	...	...	Taganrog	...	...	1	...
"	...	...	...	Tzaritzin	...	...	52	23
Sandwich Islands	...	...	...	Honolulu	...	...	29	31
Sumatra	...	...	...	East Coast	...	...	46	35
"	...	...	...	Palsmborg	...	...	3	...
Sardinia	...	...	...	Cagliari	...	...	70	28
Syria	...	...	...	Tripoli	...	...	40	8
Tunis	...	...	...	Bizerta	...	...	172	156
"	...	...	...	Gabes	...	...	13	...
"	...	...	...	La Goulette	...	...	9	9

TABLE VII.—Continued.

CHOLERA—*con.*

COUNTRY.				PORT.			CASES.	DEATHS.
Tunis	...	...	...	Mateur	...	...	6	4
"	...	...	...	Pontofarino	...	...	2	...
"	...	...	...	Susa	...	...	26	10
"	...	...	...	Tunis	...	...	335	162
Turkey	...	...	...	Accre	...	...	7	2
"	...	...	...	Adanna	...	...	7	5
"	...	...	...	Basra	...	...	284	202
"	...	...	...	Beirut	...	...	5	2
"	...	...	...	Canca	...	...	1	...
"	...	...	...	Constantinople	...	...	769	642
"	...	...	...	Haiffa	...	...	2	1
"	...	...	...	Insboli	...	...	...	2
"	...	...	...	Jaffa	...	...	34	23
"	...	...	...	Jeddah	...	...	2	1
"	...	...	...	Kerrassondo	...	...	2	...
"	...	...	...	Mecca	...	...	239	183
"	...	...	...	Salonica	...	...	611	321
"	...	...	...	Samsoun	...	...	211	193
"	...	...	...	Smyrna	...	...	1,428	616
"	...	...	...	Trebizond	...	...	3	...
"	...	...	...	Valona	...	...	5	...
"	...	...	...	Tarseus	...	...	2	1
				Totals ...			15,444	9,075

YELLOW FEVER.

COUNTRY.				PORT.			CASES.	DEATHS.
Brazil	...	...	...	Manaos	...	...	5	...
"	...	...	...	Para	...	...	13	37
"	...	...	...	Pernambuco	...	...	7	2
"	...	...	...	Rio de Janeiro	...	...	1	2
Ecuador	...	...	...	Caracas	...	...	3	2
"	...	...	...	Quayaquil	...	...	259	63
Gold Coast Colony	...	...	...	Acara	...	...	6	2
"	...	...	...	Asera	...	...	1	1
Mexico	...	...	...	Merida	...	...	29	14
Sandwich Islands	...	...	...	Honolulu	...	...	1	...
The Gambia	...	...	...	Bathurst	...	...	7	3
"	...	...	...	...	...	...	3	2
Venezuela	...	...	...	La Guayra	...	...	2	...
West Coast Africa	...	...	...	Boulama	...	...	...	1
				Totals ...			327	129

TABLE VII.—Continued.

PLAGUE.

COUNTRY.	PORT.	CASES.	DEATHS.
Algeria	Philippeville	5	...
Arabia	Muscat	76	67
Brazil	Para	13	10
"	Rio de Janeiro	65	37
Bahrein Island	Manama ... ..	...	175
Chili	Iquique	41	9
"	Pisagua	7	1
China	Chefao	23	13
"	Dairen	70	71
"	Hong Kong	177	134
"	Peking	2	2
"	Port Edward	4	1
"	Shanghai ... ..	...	14
"	Tientsin	69	32
Dutch East Indies	Batavia	4	...
" "	Passoruan	118	82
Ecuador	Guayaquil	375	158
Egypt	Alexandria	73	32
"	Ismalia	1	...
"	Port Said	30	13
India	Bassein	4	4
"	Bombay	4,324	4,017
"	Calcutta	1,731	1,640
"	Karachi	3,228	2,998
"	Madras	3	2
"	Mandalay	1,275	1,268
"	Mangalore	9	8
"	Moulmein	736	386
"	Rangoon	1,143	1,048
Java	Sourabaya	1	...
Mauritius ... ..	... ..	50	35
Morocco	Mazagan	2	1
Persia	Bushire	118	99
"	Mohammerah	9	8
Russia	Astrakhan	4	4
"	Odessa	10	2
Turkey	Adalia	1	...
"	Basra	1	...
"	Jeddah	3	...
"	Smyrna	2	...
Venezuela	Caracas	2	...
Totals		13,809	12,371

INSPECTION OF SHIPPING.

During the year 1911, seven thousand seven hundred and twenty vessels were inspected on arrival. Five thousand two hundred and seventy-one extra inspections were made of work in hand, and ships in docks, making a total of twelve thousand nine hundred and ninety-one inspections.

Four hundred and thirty-six written notices were served on Masters of vessels, one thousand two hundred and fifty-one verbal orders were given, and sixty-one letters were sent to owners or their representatives at various ports in this country and abroad in connection with nuisances and sanitary defects on board ships. Thirty notices were also served on Masters of vessels having polluted water on board for drinking and domestic purposes, being the result of bacteriological examination and analysis at the Cardiff and County Public Health Laboratory.

The systematic Inspection of Shipping in the Bute and Penarth Docks has been carried out as usual with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins, and by the Assistant Inspectors, S. J. Holbourn, A. J. E. Scott, D. A. Jenkins, J. Davies, F. Wood, Fred Howell, T. D. Hill, and J. J. Morgan.

I cannot speak too highly of the work performed by Inspector Jenkins and his Staff under difficult circumstances.

The following is a Summary of the routine duty of the Staff of the Medical Officer of Health :—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCKS, AND CANAL.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) ROATH BASIN AND CHANNEL DRY DOCKS.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

(4) PENARTH DOCK, ELY HARBOUR, AND WINDSOR SLIPWAYS.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2, and 3. In addition to tide Work, the Inspectors on day duty at Nos. 3 and 4, also visits and examines the ships in these Docks, etc., for the purpose of ascertaining the Sanitary condition of each of the ships therein.

In addition to the above, the Senior Assistant Inspector is on day work examining ships in Docks, etc.

The Chief Inspector supervises the work and assists inspections, and carries out Statutory duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The duties are arranged thus :—Each Inspector has one week of tides at Nos. 1 and 2, two weeks on tides, etc., at Nos. 3 and 4 respectively, every sixth Sunday off duty, also, one tide each off duty every Sunday.

The average time on tide duties are as follows :—

East and West Basins—Four hours.
 Roath Basin—Four and a half hours.
 Queen Alexandra Dock—Eight Hours.
 Penarth Dock—Eight hours.

The annexed tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will show that the inspection of Shipping in the Port has resulted in a great improvement in the Sanitary condition of the floating population.

The chief defects found on board ships were :—Defective side ports and prisms, bulkheads, floors, hawse pipes and cable-casings, defective stoves, funnels and flanges, ventilator cowls and ventilation, lighting and drainage, leaky decks, defective or unlined iron decks over bunks, causing damp beds, etc., defective lamps, water tanks and casks, also defective water-cl sets.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the Inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having Sanitary defects amongst those which frequent this Port has decreased in a most marked manner.

The following Table shows the number of vessels, foreign and coastwise, inspected immediately on arrival in the Port during the year :—

TABLE VIII.

					NUMBER INSPECTED.	NUMBER DEFECTIVE.	NUMBER OF ORDERS ISSUED
FOREIGN	{	Steamships	...	...	2,393	484	484
		Sailing Ships	...	...	208	50	50
		Fishing	...	...	4		
					2,605	534	534
COASTWISE	{	Steamships	...	...	3,764	341	341
		Sailing Ships	...	...	966	70	70
		Fishing	...	..	385	5	5
					5,115	416	416
Total Foreign and Coastwise]				...	7,720	950	950

The following Table shows the number and nationalities of the vessels inspected on arrival during the year 1911 :—

TABLE IX.

NATIONALITY.	STEAM.	SAIL.	TOTAL STEAM AND SAIL.
Argentine	5	...	5
Austrian	33	...	33
Belgian	52	...	52
Brazilian	3	1	4
British American	2	...	2
British Indian	2	...	2
British	4,903	943	5,846
Chilian	1	...	1
Chinese	1	...	1
Danish	88	2	90
Dutch	53	21	74
French	186	115	301
German	128	23	151
Greek	73	...	73
Hungarian	42	...	42
Italian	121	4	125
Japanese	4	...	4
Norwegian	457	49	506
Portuguese	5	...	5
Roumanian	1	...	1
Russian	30	10	40
Spanish	205	1	206
Swedish	106	5	111
Uruguayan	45	...	45
TOTALS	6,546	1,174	7,720

During the year, the forecastles, berths, water-closets, etc., in 556 British ships, and 273 foreign ships, respectively, have either been cleansed, painted or limewashed.

The following Table shows their nationality :—

TABLE X.

NATIONALITY.	NUMBER.
Argentine	1
Austrian	7
Belgian	3
Brazilian	1
British	556
British Indian	2
Chilian	1
Danish	2
Dutch	7
French	49
German	17
Greek	19
Hungarian	4
Italian	24
Norwegian	63
Portuguese	1
Russian	5
Spanish	47
Swedish	9
Uruguayan	11
TOTAL	829

The following Table shows the number and nationalities of the vessels on which nuisances or structural defects were detected :—

TABLE XI.

NATIONALITY.	Number of Ships.	Defective side ports and portholes.	Defective water closets.	Defective bulkheads and floors in crew's spaces.	Defective and leaky hawse pipes and cable casings.	Defective or unlined iron decks over berths.	Defective stoves, funnels and flanges in crew's spaces.	Defective ventilation.	Defective ventilation to deck water closets.	Dirty water casks and tanks.	Defective water casks and tanks.	Defective lamps.	Defective lighting.	Defective cowls and ventilators in crew's spaces.	Defective drainage.	Leaky decks over berths.	Foul bilges and peaks.	Ship's stores kept in crew's spaces.	Foul accumulations.	Water closets and paint lockers adjoining and venting into crew's spaces.	Want of wood floors in crew's spaces.	CASES.	REMEDIED.
Argentine ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1
Austrian ...	13	10	4	1	4	...	7	...	1	...	...	...	...	...	1	2	...	...	1	1	...	32	31
Belgian ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1
Brazilian ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1
British ...	514	702	80	31	91	22	192	7	10	39	15	15	8	28	62	91	11	18	12	63	...	1,497	1,447
British Indian ...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	3	3
Chilian ...	1	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	4	4
Danish ...	18	9	...	...	...	1	4	9	3	...	...	...	...	1	5	1	...	...	...	3	...	36	34
Dutch ...	15	6	2	2	...	...	...	2	8	...	...	...	...	1	7	2	...	...	1	7	...	38	32
French ...	63	57	15	4	7	...	19	5	3	14	1	12	...	11	2	2	4	2	...	2	...	160	155
German ...	33	41	5	2	...	1	1	1	...	2	...	...	...	...	5	2	1	...	4	5	...	70	66
Greek ...	24	29	3	...	4	2	9	...	...	...	...	2	...	...	3	...	1	...	...	3	...	56	55
Hungarian ...	12	10	2	1	3	...	4	...	...	...	...	1	...	...	3	1	...	...	2	3	...	30	28
Italian ...	26	26	7	1	10	...	8	4	1	1	...	...	3	...	5	1	...	...	1	5	...	73	73
Norwegian ...	110	67	16	10	2	2	19	24	12	10	...	...	...	16	23	8	1	1	1	31	...	243	219
Portuguese ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	3	3
Russian ...	12	4	2	...	2	2	5	2	...	...	...	...	...	...	1	...	1	...	2	1	...	22	22
Spanish ...	69	73	8	7	4	2	32	2	...	...	1	4	1	...	6	...	1	1	2	7	...	151	146
Swedish ...	21	19	5	1	1	...	4	4	2	...	...	...	1	2	8	4	1	...	...	9	...	61	55
Uruguayan ...	12	6	1	2	...	...	6	...	...	...	...	...	...	4	1	...	...	...	...	1	...	21	21
Totals ...	950	1059	151	62	128	32	310	60	40	68	17	34	13	66	133	116	21	24	28	141	...	2,503	2,397

DISINFECTION OF SEAMEN'S EFFECTS.

During the year ended 31st December, 1911, 809 Articles of Clothing belonging to Seamen were disinfected by the Port Sanitary Authority, and 559 dirty or infected beds were destroyed.

CARDIFF AND COUNTY PUBLIC HEALTH LABORATORY.

BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

The following Table gives the results of examinations by Mr. J. H. Sugden, M.Sc., F.I.C., of sixty-one samples of drinking water from vessels entering the Port during the year ended 31st December, 1911.

TABLE XII.

1911.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
Jan. 31	s.s. "Sutherland"	British	Karachi and Port Said	Good.
Feb. 14	s.s. "Dunkeld"	"	Sapelo	Good.
" 17	s.s. "Pendennis"	"	Constantinople	Good.
" 20	"Danmark"	Danish	Portland, O.	Contaminated
" 21	s.s. "Torrington"	British	Madras and Malta	Good
" "	s.s. "Oceana"	"	Melbourne, Durban & Las Palmas	Contaminated
Mar. 11	"Elizabeth Alice"	"	Dublin	Good
" 30	s.s. "Sweethope"	"	River Plate and Las Palmas	Contaminated
" 31	s.s. "Marthara"	"	Las Palmas	Good
Apl. 4	s.s. "Janeta"	"	Las Palmas	Good
" 19	s.s. "Miles Coverdale"	"	Malta	Contaminated
May 2	s.s. "Augsburg"	German	Durban and Madeira	Good
" 15	s.s. "Vivienne"	Norwegian	Barry and Newcastle-on-Tyne	Good
" "	s.s. "Chios"	Greek	Sunderland, Piraeus & Constantinople...	Contaminated
" 16	"Madagascar"	British	Port Pirie...	Good
" 27	s.s. "Hollinside"	"	River Plate	Good
" 31	s.s. "Hampshire"	"	River Plate and Las Palmas	Contaminated
June 2	s.s. "Strathlorne"	"	Sydney, Bunbury, Durban and Las Palmas	Good
" 12	s.s. "Snowdonian"	"	Port Said and Nantes	Contaminated
" 20	s.s. "Skule"	Norwegian	Riga	Good

TABLE XII.—*continued.*

1911.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
June 20	"Frank" ...	Norwegian	Fremantle... ..	Good
" 29	s.s. "Ayr" ...	British ...	Philadelphia and Parrsboro'	Good
July 3	"Calluna" ...	Norwegian	Adelaide and Rain Water ...	Contaminated
" "	"Buenos Aires" ...	Italian ...	Melbourne and Rain Water...	Contaminated
" "	"Maletta" ...	Norwegian	Fremantle... ..	Contaminated
" 7	"Buenos Aires" ...	Italian ...	Melbourne	Good
" 14	s.s. "Uganda" ...	British ...	Las Palmas	Good
" "	"Hafsrfsjord" ...	Norwegian	Melbourne	Contaminated
" 21	"Spartan" ...	" ...	Nantes	Contaminated
" 24	"Rollo" ...	British ...	Rotterdam	Good
" 25	s.s. "White Jacket" ...	" ...	Oran	Good
" 26	s.s. "Federica" ...	Austrian	Marseilles	Good
Aug. 4	"Audny" ...	Norwegian	Fremantle... ..	Good
" 9	s.s. "Milton" ...	British ...	St. John, N.B.	Good
" 11	"Sigrid" ...	Norwegian	New Richmond	Contaminated
" 30	s.s. "Hull Trader" ...	British ...	Felixtowe	Contaminated
" "	"Lindisfarne" ...	Russian ...	Melbourne and Rain Water...	Contaminated
Sept. 4	s.s. "Tugela" ...	British ...	Colombo and Port Said ..	Contaminated
" 6	s.s. "Parkgate" ...	" ...	Las Palmas	Contaminated
" 8	s.s. "Theologos" ...	Greek ...	Galatz	Good
" 12	s.s. "Norfolk" ...	Norwegian	New Orleans and Bordeaux	Contaminated
" 13	s.s. "Millwall" ...	British ...	Nicolaieff and Algiers ...	Contaminated
" 18	s.s. "Dulwich" ...	" ...	Nicolaieff	Good
" 20	s.s. "Tandil" ...	" ...	Las Palmas	Good
" 22	s.s. "Lakonia" ...	" ...	Buenos Aires	Contaminated

TABLE XII.—*continued*

1911.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
Oct. 18	s.s. "Prudenza" ...	Italian ...	Genoa	Contaminated
" 20	s.s. "King Lud" ...	British ...	Dakar	Contaminated
" 24	s.s. "Rollesby" ...	" ...	Sulina and Algiers ...	Contaminated
" 25	s.s. "Baltistan" ...	" ...	Port Said	Good
" 26	"Storesand" ...	Norwegian	Geelong	Contaminated
" 27	s.s. "Peterston" ...	British ...	Naples and Sulina ...	Good
Nov. 9	s.s. "Kina" ...	Danish ...	Sabang and Port Said ...	Good
" 15	"Pharos" ...	British ...	Fremantle... ..	Contaminated
" "	"Alexander Lawrence" ...	Norwegian	Melbourne... ..	Contaminated
" 16	s.s. "Chas. T. Jones" ...	British ...	Venice and Kherson ...	Contaminated
" 20	s.s. "Euston" ...	" ...	Constantinople	Contaminated
" 27	s.s. "Emma" ...	Italian ...	Genoa and River Plate ...	Good
Dec. 4	"Majorka" ...	Norwegian	Fremantle... ..	Contaminated
" "	"Magdalena"...	" ...	Riga	Good
" "	"Comliebank" ...	British ...	Port Germain	Contaminated
" 15	"Marion Lightbody" ...	" ...	Melbourne	Contaminated

FOOD INSPECTION.

The Public Health (Regulations as to Food) Act of 1907, gave powers to the Local Government Board to make regulations under the Public Health Act, 1896, to prevent danger arising to the public health from the importation, preparation, storage and distribution of articles of food or drink (other than drugs and water) intended for sale for human consumption.

Two sets of regulations were issued by the Board, one dealing with unsound Food, and the other with Foreign Meat. An amending Regulation relating to Foreign Meat was issued on the 27th September, 1909, which came into force three days later.

The first set of Regulations is called the Public Health (first series Unsound Food) Regulations, which came into force on the 1st of October, 1908. These provide that articles of food which are unsound, unwholesome and unfit for human consumption, and which, as part of the cargo of a ship, are brought to a place in this country, either as a place of deposit or for transmission elsewhere in this country, shall be dealt with at the port of discharge.

The Medical Officer of Health is authorised by Art. IV. to examine articles of food which have been landed within the district, and if necessary to examine such articles before they are landed.

Power of taking samples is conferred by Art. VIII., and special examinations may be made at the laboratory. Power is also given under the same Art. for the temporary detention of consignments pending the completion of the examination.

The Public Health (Foreign Meat) Regulations of 1908, came into force on the 1st January, 1909. Art. I. of these Regulations has been repealed, and Class I. has been altered by the Amending Regulations, dated 27th September, 1909, and is designed to deal with foreign meat in the form of scraps, trimmings or other pieces (whether with or without bone). These also deal with imported tripe, tongues and kidneys, to which certain chemical preservatives have been added, and with the severed parts of a pig not prepared in the manner in which bacon or ham is ordinarily prepared, and not contained in a box, case, receptacle, or package with an Official Certificate; or of severed parts of a pig which have been prepared as bacon or ham, and are not contained in a box with an Official Certificate; and are without the lymphatic glands about those parts in their natural position; or of meat which whether derived from cattle or pig is in the form of a carcase, or part thereof, comprising the ribs, and is without such membrane as, in its natural position form the lining of the cavity enclosed by the ribs.

These classes of meat are enumerated under the heading of *Foreign Meat Class I.*, and the importer is required within three days, at his own expense to export the same, unless he can prove to the satisfaction of a Magistrate, that it is not intended for human food, the meat is required to be destroyed under the supervision of the Medical Officer of Health.

Carcases of pigs without the head in its natural state of attachment, or is without the lymphatic glands about the throat, or any other part of the carcase, in their natural position, rendering it difficult to detect the evidence of tuberculosis, are styled *Foreign Meat Class II.*, and are dealt with in the same manner as *Class I.*

The expression *Foreign Meat of Class III.* consists of severed parts of the carcase of a pig, not in the form of scrap, trimmings, &c., and which is contained in a box, case, receptacle, or package with an Official Certificate from a Competent Authority, indicating that the contents are prepared from pigs free from disease at the time of slaughter, dressed and packed with careful observance as required.

Unclassed Foreign Meat, means foreign meat of a kind, which does not bring it under any of the previous mentioned Classes.

Class III. and Unclassed are not detained by the Officers of Customs, unless requested to do so by the Medical Officer of Health, or are of opinion that the meat is in bad condition, and should be examined by the Medical Officer of Health.

In carrying out these Regulations, the Officers of Customs and Excise and your Inspectors, have worked harmoniously together; the former rendering every assistance possible to the Officers of the Port Sanitary Authority in examining imported meat and other goods, and in reporting any matter which may come to their notice, requiring the attention of the Medical Officer of Health.

During the year my attention was called on several occasions to consignments of offal imported from the River Plate, the livers in particular were found upon examination (after thawing) to be infected more or less with hydatid cysts, they were voluntarily surrendered and destroyed.

Consignments of Australian beef have from time to time been examined at the Cold Stores for Parasitic worms, known as Onchocerciasis in some of the hind quarters, and near the stifle joint, these Cysts were seen on cutting into the meat with but very little damage or mutilation.

Fore-quarters of beef are now imported minus the brisket and flanks, which were mostly found infected with these parasites.

Owing to the fire which took place at Messrs. Begg's warehouse at the Docks during the strike in July, a large amount of Food Stuffs, which were stored therein, were damaged and destroyed. Your Inspectors, together with a number of salvage men, were engaged for some weeks in examining the articles, which had been exposed to fire and water; a large quantity of damaged canned and other goods were conveyed to the Corporation destructor to be disposed of, the salvaged goods were afterwards sold by auction.

The Assistant Medical Officer of Health, Dr. E. Fairfield Thomas, as well as Inspectors D. Jenkins and A. J. E. Scott, the officers appointed by your Authority, are carrying out the provisions of the Regulations with zeal and discretion, and entirely to my satisfaction. A large quantity of unsound food was destroyed, or otherwise dealt with during the year, without having to resort to legal proceedings. Most of the largest importers in the City, are now giving every facility and assistance to your officers in carrying out their duties under the Unsound Food and Foreign Meat Regulations.

In order to facilitate administrative action under Articles VI. of the Foreign Meat Regulations, the following resolution was passed by the Sanitary Authority:—

“HEALTH AND PORT SANITARY COMMITTEE,

19th January, 1909.

PUBLIC HEALTH (FOREIGN MEAT) REGULATIONS, 1909.—Resolved.—That the Town Clerk be authorised, on behalf of the Council, acting as the Port Sanitary Authority, from time to time, within twelve hours after the receipt of a copy of a notice by the Medical Officer of Health, as mentioned in Article VI. (Notice by Sanitary Authority to Importer) of the Public Health (Foreign Meat) Regulations, 1908, to make out, complete, sign, and give all notices to importers under the said Article of the said Order.

IMPORTATION OF FROZEN AND CHILLED MEAT.

From the following table it will be seen that the frozen and chilled meat trade is, in the Port, a large and important industry, and the due inspection of such meat forms an important part of the duty of the Officers appointed under the Public Health (Foreign Meat) Regulations of 1908 and 1909 respectively. Altogether, thirty-one vessels arrived with frozen and chilled meat on board, which was landed at the Port during the year ended 31st December, 1911. The meat is discharged either into refrigerating railway vans, and sent to other towns, or conveyed to the Cold Stores in the City, or put into the Cold Stores alongside the vessel. The Cardiff Railway Company are now erecting very large Cold Stores and Chill Rooms on the North Side of the Queen Alexandra Dock, at a cost of about £40,000. When these stores are completed, the meat will be taken direct from the ship, and either placed in the Cold Stores, or discharged into refrigerating railway vans, by means of movable electric cranes.

TABLE XIII.

1911	Name of Ship.	Where from	Beef			Mutton.			Carcases of Lambs	Cases and Bags of Offal.	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of Shoulders	Cases of Legs			
Jan. 10	s.s. "Royston Grange"	River Plate <i>via</i> London and Newcastle	1,154	1,226	...	8,060	20	5	...	260	...
" 14	s.s. "Zone"	River Plate <i>via</i> Liverpool	786	574	...	3,576	...	...	2,600	172	...
Feb. 13	s.s. "Niwaru"	Australia <i>via</i> London & Liverpool	...	1,500	...	7,046	...	...	14,499	...	...
" 20	s.s. "Beacon Grange"	River Plate <i>via</i> Newcastle	1,000	1,200	...	6,000	10	6	300	440	...
" "	s.s. "Zermatt"	River Plate <i>via</i> Liverpool	200	330	...	2,700	...	...	900	140	...
Mar. 6	s.s. "Star of Ireland"	River Plate <i>via</i> London	217	464	...	1,343	...	...	600	216	...
" 11	s.s. "Manchester City"	River Plate <i>via</i> Liverpool	1,150	1,100	...	4,700	20	15	...	690	...
April 7	s.s. "Royston Grange"	River Plate <i>via</i> Liverpool	1,000	1,400	...	4,000	30	5	500	410	...
" 8	s.s. "Zone"	River Plate <i>via</i> Liverpool	830	775	...	2,469	...	...	2,301	123	...
" 24	s.s. "Guardiana"	River Plate <i>via</i> Liverpool	867	429	...	2,468	...	...	...	287	...
May 4	s.s. "Indralemma"	Australia <i>via</i> London	...	...	...	6,000	...	...	9,107	269	...
" 8	s.s. "La Blanca"	River Plate <i>via</i> London	1,175	1,200	...	5,000	20	10	500	664	...



CARDIFF RAILWAY CO.

Steamer discharging Frozen Meat into Cold Stores, Roath Dock. Also View of 70 ton Crane.

TABLE XIII.—Continued.

1911	Name of Ship	Where from	Beef			Mutton				Cases and Bags of Orial.	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of Shoulders	Cases of Legs	Cases of Loins		
May 22	s.s. "El Argentino"	River Plate <i>via</i> Liverpool	2,150	2,825	...	8,000	23	13	5	721	...
June 6	s.s. "Zermatt"	River Plate <i>via</i> Liverpool	350	1,330	...	3,038	...	...	...	68	...
" 15	s.s. "Manchester City"	River Plate <i>via</i> Liverpool	2,230	2,248	...	...	20	10	20	720	...
July 15	s.s. "Zone"	River Plate <i>via</i> Liverpool	250	1,270	...	1,750	...	...	...	84	...
" 24	s.s. "Guardiana"	River Plate <i>via</i> Liverpool	750	1,000	...	4,999	17	10	15	370	...
Aug. 1	s.s. "Nerehana"	Australia <i>via</i> London	2,000	2,000	...	2,000	...	...	...	...	1,000
" 4	s.s. "La Blanca"	River Plate <i>via</i> Liverpool	2,474	1,290	...	3,262	...	...	...	314	...
Sept. 8	s.s. "Chaseside"	River Plate <i>via</i> Liverpool	1,070	1,136	...	1,607	...	...	...	332	250
" 11	s.s. "El Argentino"	River Plate <i>via</i> Liverpool	1,933	1,657	...	7,063	...	...	...	433	...
" 21	s.s. "Zermatt"	River Plate <i>via</i> Liverpool	300	300	...	1,776	...	...	...	10	1,000
Oct. 2	s.s. "Star of Scotland"	Australia <i>via</i> London	2,234	5,784	...	...	...	...	...	...	...
" 6	s.s. "Manchester City"	River Plate <i>via</i> Liverpool	1,424	1,800	100	7,120	20	10	20	738	...
" 20	s.s. "Zuleika"	River Plate <i>via</i> Genoa, Naples and Cork	1,436	928	...	2,700	...	...	...	15	...
" 23	s.s. "Sutherland Grange"	River Plate <i>via</i> Liverpool	1,955	1,528	100	5,906	30	...	8	992	...
Nov. 10	s.s. "Zone"	River Plate <i>via</i> Liverpool	802	675	50	1,121	...	...	...	95	...
" 27	s.s. "La Blanca"	River Plate <i>via</i> Liverpool	3,300	2,200	60	5,989	36	...	20	585	...

TABLE XIII—continued

1911	Name of Ship.	Where from	Beef			Mutton.				Carcases of Lambs	Cases and Bags of Offal.	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of Shoulders	Cases of Legs	Cases of Loins			
Dec. 21	s.s. "Chaseside"	...	1,448	700	...	3,585	...	...	...	1,869	26	...
" 21	s.s. "El Argentino"	...	436	751	...	2,106	...	...	...	...	304	...
" 28	s.s. "Zero"	...	100	250	...	...	...	...	...	...	...	...
		TOTALS	35,021	39,870	310	115,384	246	84	168	46,714	9,478	2,250



CARDIFF RAILWAY CO.
Fruit Warehouse, Queen Alexandra Dock.

THE PUBLIC HEALTH (REGULATIONS AS TO FOOD) ACT, 1907.

The following Table gives particulars of Food dealt with during the year ended 31st December, 1911, under the Unsound Food and Foreign Meat Regulations.

TABLE XIV.

Place of Examination.		Description of Articles Destroyed or otherwise dealt with.	Tons	Cwts.	Lbs.
Queen Alexandra Dock	...	Wheat	19	16	28
Do.	...	Barley	6	8	56
Do.	...	Oats... ..	3	0	0
Do.	...	Maize	227	13	0
Do.	...	Rye	2	1	56
Do.	...	Beans	1	0	0
Do.	...	Onions	29	19	28
Do.	...	Oranges	1	7	52
Do.	...	Apples	4	4	15
Do.	...	Grapes ... ..	...	...	36
Do.	...	Canned Tomatoes ... ..	...	2	58
Do.	...	Beef ... ..	...	11	62
Do.	...	Mutton ... ..	...	...	106
Do.	...	Sheep Hearts and Kidneys ... ..	...	5	26
Do.	...	Ox Tongues and Trimmings ... ..	...	...	20
Do.	...	Ox Livers and Trimmings ... ..	...	1	0
Do.	...	Pigs Checks ... ..	...	3	84
Roath Dock ...	...	Wheat	61	6	59
Do.	...	Barley	25	10	0
Do.	...	Oats... ..	10	12	0
Do.	...	Maize	17	10	56
Do.	...	Rye	2	9	56
Do.	...	Rice ... ..	...	6	56
Do.	...	Beans ... ..	...	10	0

TABLE XIV—*continued.*

Place of Examination.				Description of Articles Destroyed or otherwise dealt with	Tons	Cwts.	Lbs.
Roath Dock	...	...	...	Red Cabbage	1	18	0
Do.	..	...	...	Canned Tomatoes	...	...	109½
Do.	...	..	...	Canned Pears	...	5	...
Do.	...	...	...	Ox Livers and Trimmings	3	5	55
Do.	...	...	...	Ox Hearts	...	12	65
Do.	..	...	...	Ox Tongues	...	...	15
Do.	...	...	...	Ox Kidneys	...	...	100
Do.	...	...	...	Pieces of Beef	...	3	67
Do.	...	..	...	Beef Trimmings	...	...	11
Do.	...	...	...	Sweetbreads	...	2	76
Do.	...	...	...	Sheep Hearts	...	1	23
Do.	...	...	...	Sheep Kidneys	...	1	76
Do.	...	...	...	Pigs' Plucks	...	4	45
East Dock	...	...	...	Wheat	67	14	0
Do.	...	...	...	Barley	7	2	56
Do.	...	...	...	Oats...	...	17	56
Do.	...	...	...	Maize	7	1	56
Do.	...	...	...	Potatoes	5	10	0
Do.	...	...	...	Apples	...	2	0
Do.	...	...	...	Onions	...	11	0
Do.	...	...	...	Canned Tomatoes	1	11	14
Do.	...	...	...	Canned Beef	...	1	70
Do.	...	...	...	Canned Pears	...	...	2
Do.	...	...	...	Salt Fish	1	5	0
West Dock	...	...	...	Wheat	90	0	0
Do.	...	...	...	Oats...	...	18	56
Do.	...	...	...	Maize	...	3	0
Do.	...	...	...	Rye	...	5	0
Do.	...	...	...	Beans	5	5	0
Do.	...	...	...	Potatoes	61	2	28

TABLE XIV.—*continued*

Place of Examination.			Description of Articles Destroyed or otherwise dealt with	Tons	Cwts.	Lbs.
West Dock	...	...	Canned Pears	...	8	32
Do.	...	...	Condensed Milk	2	9	84
Do.	...	...	Canned Peaches	...	1	0
Do.	...	...	Prunes	...	...	84
Do.	...	...	Canned Lobster	...	1	7
Do.	...	...	Canned Salmon	...	8	64
Do.	...	...	Canned Tomatoes	...	6	16½
Do.	...	...	Canned Beef	...	15	1
Do.	...	...	Canned Mutton	...	4	43
Do.	...	...	Canned Ox Tongue	...	...	60
Do.	...	...	Canned Rabbits	...	...	32
Do.	...	...	Canned Soup	...	2	6
Do.	...	...	Canned Aprieots	...	1	16
Do.	...	...	Pears	...	3	16
Do.	...	...	Pine Apples	...	11	14
Do.	...	...	Melons	...	5	0
Do.	...	...	Bananas	1	8	56
Do.	...	...	Fish	9	13	0
Do.	...	...	Salt Fish	1	15	0
Do.	...	...	Sugar	15	...	...
Do.	...	...	Flour	12	...	...
Do.	...	...	Orions	1	16	...
Glamorganshire Canal	...	...	Canned Tomatoes	...	5	83½
Do.	...	...	Canned Pears	...	...	24
Do.	...	...	Canned Peaches	...	...	68
Do.	...	...	Canned Aprieots	...	...	50
Do.	...	...	Canned Pigs' Feet	...	...	4
Do.	...	...	Canned Lunch Tongue	...	...	6
Bristol Packet Warehouse	...	...	Canned Pigs' Feet	...	...	4
TOTALS				719	5	9½

ARTICLES OF FOOD DESTROYED (UNDER THE PUBLIC HEALTH ACT, 1875).

1 carcase of mutton, 100lbs. destroyed, being unfit for human consumption.

DISEASES OF ANIMALS ACTS, 1894 AND 1903.

(And the Orders of the Board of Agriculture and Fisheries made thereunder).

CATTLE BOATS.—No live oxen or sheep were landed at the Foreign Animals Wharf during the year.

Two steamers arrived at this Port from the River Plate *via* Naples and Genoa respectively, having landed cattle at the latter ports; part of the fittings remained in position on each vessel, these fittings and all other parts of the vessel with which the animals had been in contact, were cleansed, disinfected and lime-washed, before entering this port.

IMPORTATION OF DOGS ORDER, 1901.

During the year 874 Dogs were imported from foreign countries. In each case a copy of the Regulations was supplied to the Master or Officer in charge of the ship on arrival. These vessels were regularly visited during their stay in port, to see that the requirements of the Order were carried out.

Proceedings were taken against the Master of a ship for non-compliance with the requirements of the Board of Agriculture and Fisheries in this respect.

The following Table gives particulars of action taken and result :—

TABLE XV.

1911	Legal Proceedings (cases)	Fines and Costs.
February 8th	1	40/- and 6/- costs.

FOREIGN ANIMALS ORDER OF 1910 (DATED 22ND APRIL, 1910).

This Order came into force on the 1st January, 1911.

The following is a copy of Section 2 of the Order, together with a list of Scheduled Countries. Copies have been distributed amongst Ship-owners, Agents, Masters and Officers of Ships :—

BOARD OF AGRICULTURE AND FISHERIES.

FOREIGN ANIMALS ORDER OF 1910
(Dated 22nd April, 1910).

NOTICE TO MASTERS AND OFFICERS IN CHARGE OF SHIPS.

On and after the first day of January, 1911, it shall not be lawful except under the authority of a licence granted by the Board, and subject to any conditions thereby imposed, TO BRING INTO A PORT in Great Britain any cattle, sheep, goats or swine brought from a port in a scheduled country,

but this Article shall not apply to any vessel not bound to a port in Great Britain which comes into a port under stress of weather, or for repairs, or for any purpose other than the delivery or shipment of cargo.

PROHIBITED COUNTRIES AND PARTS OF COUNTRIES :

ARGENTINE REPUBLIC.	MEXICO.
AUSTRIA HUNGARY.	MONTENEGRO.
BELGIUM.	MOROCCO.
BOLIVIA.	NATAL.
BRAZIL.	NETHERLANDS.
CAPE COLONY.	NORWAY.
CHILI.	OTTOMAN DOMINIONS.
COLUMBIA.	PARAGUAY.
DENMARK (excluding Iceland).	PERU.
EQUADOR.	PORTUGAL (except Cape Verd Islands, Madeira and the Azores).
FRANCE.	ROUMANIA.
GERMANY.	RUSSIA.
GIBRALTAR.	SERVIA.
GREECE.	SPAIN (except the Canary Islands).
GUIANA (British).	SWEDEN.
GUIANA (Dutch).	URUGUAY.
GUIANA (French).	VENEZUELA.
ITALY.	
MALTA.	

BY ORDER.

PORT SANITARY OFFICES,
95, BUTE STREET, CARDIFF,
October, 1910.

During the year sixty-nine vessels arrived at this Port with the following animals on board from scheduled countries, either directly or indirectly :—Cattle, six ; sheep, thirty ; goats, three ; pigs, one hundred and fifty-six ; making a total of one hundred and ninety-five animals.

These ships were visited regularly, to see that the Regulations of the Board of Agriculture and Fisheries were carried out. When any of these ships left for another port in Great Britain, the Authorities at these ports were notified.

Proceedings were taken against the Masters of four vessels for non-compliance with the requirements of the above order.

The following Table gives particulars of action taken and results :—

TABLE XVI.

1911		Legal Proceedings (cases)	Fines and Costs.
March	16	1	£5 and 9/- costs.
May	17	1	£5 „ 8/- „
„	24	1	£1 „ 8/- „
June	8	1	£2 „ 6/- „
Total	...	4	£13 „ 31/- costs.

ALIENS' ACT, 1905.

No immigrant ships arrived in the Port during the year ended 31st December, 1911.

ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR, 1911.

Section 3 of the Canal Boats Act, of 1884, provides that it shall be the duty of every Registration or Sanitary Authority within whose district any canal, or any part of a Canal is situated, to enforce within such districts the provisions of the principal Act, and this Act, and any Regulation made thereunder by the Local Government Board, and every such Authority shall within twenty-one days after the 31st day of December in every year, make a report to the Local Government Board as to the execution of the principal Act, and this Act, and of the Regulations made thereunder as aforesaid, and as to the steps taken by such Authority during the year, to give effect to the provisions of the said Acts and Regulations.

(1) Canal Boats inspected during 1911				197
Condition of Boats (Good 164, Fair 15)				179
Infringements				18
Occupants of Boats				All Males
Women and Children sleeping in Canal Boats				Nil.
(2) Infringements—				
(a) Registration	...	...	...	1
(b) Notification change of Master	...	...	...	Nil.
(c) Certificates	...	...	...	Nil.
(d) Marking	...	...	...	5
(e) Overcrowding	...	...	...	Nil.
(f) Separation of Sexes	...	...	...	Nil.
(g) Cleanliness	...	...	...	5
(h) Ventilation	...	...	...	Nil.
(i) Painting	...	...	...	3
(j) Water Vessels	...	...	...	Nil.
(k) Removal of bilge water	...	...	...	2
(l) Notification of Infectious disease	...	...	...	Nil.
(m) Admittance of Inspector	...	...	...	Nil.
(n) Defective Stoves and Chimneys	...	...	...	Nil.
(o) Roofs leaking	...	...	...	2
(p) Boats leaking	...	...	...	Nil.
(3) Legal proceedings taken in respect of infringements				Nil.
(4) Any other steps taken to secure compliance with the Acts and Regulations? Yes, Verbal and Written Notices.				
(5) Detention of boats for cleansing and disinfecting				Nil.
(6) Number of Boats on Register				19
(7) Number of boats registered during 1911				1
(8) Removal from Register				1
(9) Number of boats believed to be in use or available				20
(10) Number of boats that cannot be traced				Nil.
(11) Boats with accommodation for two males				18
(12) Boats with accommodation for three males				1

With regard to the Glamorganshire Canal, the upper section, north of Abercynon, still remains closed, also the Aberdare Canal, both sections having been closed as already reported, owing to colliery subsidence.

A suggestion has been made by the Local Authorities whose districts abut upon these parts of the Canal, to acquire the same for constructing new roads. This matter is still in abeyance.

Between Abercynon and Cilfynydd the traffic still continues in a satisfactory state, also between Abercynon and Pontypridd, being principally goods traffic carried by the Canal Co., and the output of one small quarry.

Subsidence is causing great trouble and expense on this section.

The traffic in tinplates from Melingriffith, which is served by the Canal Co., has increased, very little going direct to the Queen Alexandra Dock.

The patent fuel traffic has been fairly up to the average. The new year's shipments are likely to increase.

The traffic between Cardiff and Pontypridd, principally carried by the Canal Co., has been fairly maintained, the sidings in connection with the Nantgarw Colliery have been completed, and the Cardiff Railway Company will deal with this traffic, but this will not affect cabin boats.

The sanitary condition of the boats is on the whole satisfactory.

The lighters engaged in carrying grain, etc., in the Docks have been periodically examined, cleansed and repaired during the year, but the attention of the Managers of the Patent Fuel boats have been called on two occasions to the nuisances found therein, in each case, the matter was attended to, and the nuisance abated.

I wish to express my thanks to W. Durie, Esq., H.M. Collector of Customs, for his courtesy and valuable assistance, also to Mr. Campbell, Chief Preventive Officer of the Water Guard, and his staff, who have always worked harmoniously with the Officers of the Port Sanitary Authority, when boarding vessels on arrival, and in the general inspection of shipping in the various Docks, etc., in the Cardiff Port Sanitary District.

I have also to thank the Dock Masters of the Cardiff and Penarth Docks, and their Officers for their kind assistance, as well as to the Superintendent of the Bute Dock Police, and his staff, for assisting your officers in carrying out their duties under the Unsound Food Regulations of 1908.

I have the honour to be, Gentlemen,

Your obedient servant,

EDWARD WALFORD,

*Medical Officer of Health for the Cardiff Port
Sanitary District.*

